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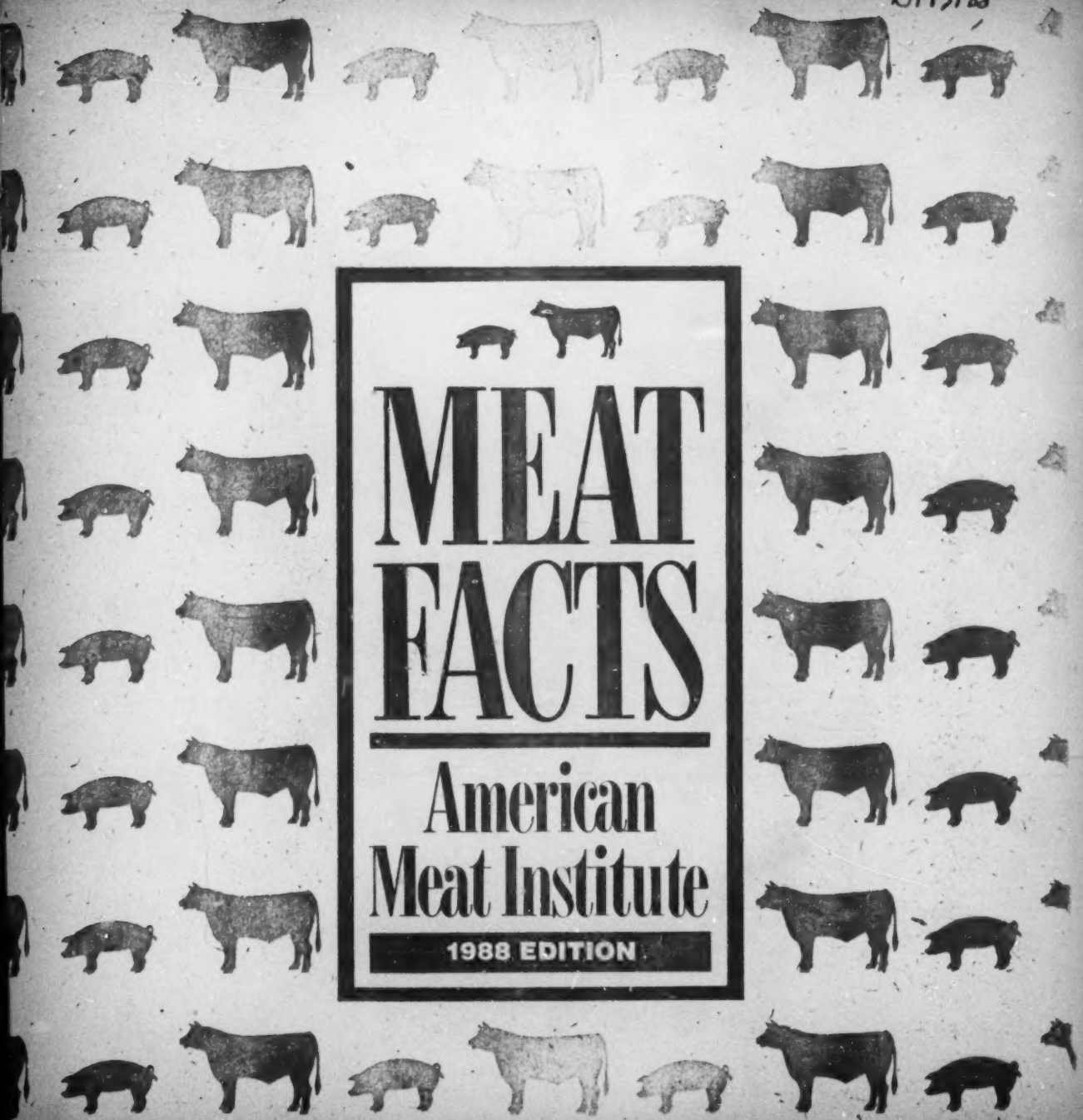


MEAT FACTS

American Meat Institute

1988 EDITION

Meatfacts 1988

This is the eighteenth annual edition of MEATFACTS, a statistical summary of the U.S. meat industry.

The tables and graphs on the following pages provide an overview of both past trends and the current situation in the livestock and meat industry, including:

- Livestock supplies and prices
- Livestock slaughter and meat production
- Processed and canned meat production
- Meat nutrition profiles
- Meat consumption and prices
- Consumer expenditures on meat
- Meat trends at retail
- Industry employment and wages
- Industry sales, costs and profits
- Foreign meat trade

As this goes to print, the worst of the Drought of 1988 appears to be behind us. The drought's impact on meat supplies and prices, however, won't be fully felt until 1989.

Cattle inventories have declined through most of the 1980's. They are now at their lowest level in more than 25 years, but there are indications herd liquidation is ending. As producers hold back cattle to expand herd numbers, beef production will decline and prices will rise. Higher feed grain prices resulting from this year's poor harvests will exacerbate the situation.

Similarly, the drought's impact will also be felt in the pork sector. Hog supplies and pork production both rose last year for the first time since 1984 and are continuing to increase this year. Producer returns are today being severely affected by higher feed grain prices, however, and early indications are that pork production will decline in 1989.

Tightening livestock supplies will characterize the industry as it prepares to enter the next decade. The challenges presented by these supply shortfalls will be different in scope from the demand problems of the late 1970's and early 1980's, but in magnitude could be just as pronounced.

The meat industry has shown remarkable adaptability in addressing demand problems that many observers felt were insurmountable. By committing in a major way to new product development, changed marketing practices and aggressive promotion, the industry has ensured its competitiveness in the consumer food market. This same adaptability will serve the industry well as it confronts tomorrow's challenges.

The American Meat Institute hopes MEATFACTS '88 proves useful in promoting a better understanding of the American meat industry.

C. Manly Molpus
President
American Meat Institute
August, 1988

Table of Contents

Cattle, Sheep and Hogs on Farms January 1, 1925–88 and Total U.S. Resident Population July 1, 1925–88 3

Cattle and Calves, Sheep and Lambs on Farms January 1, 1988 and Hogs December 1, 1987, by State 4

Number of Operations with Livestock, by State and Species, 1986–87 5

Livestock Prices Received by Farmers, U.S. Averages for All Grades 6

Cash Receipts from Farm Marketings of Meat Animals, by State, 1987 7

Number of Feedlots and Cattle Marketed, by Feedlot Capacity, 1987 8

Composition of Commercial Cattle Slaughter, 1960–87 9

Livestock Slaughter and Meat Production, 1925–87 10

U.S. Livestock Slaughter and Meat Production, 1986–87 11

Slaughter and Number of Plants, by Species and State, 1987 12

Top 10 Cattle Slaughtering States *and* Top 10 Hog Slaughtering States 13

Number of Livestock Slaughtering Plants, January 1, 1987 and 1988, by State 14

Livestock Slaughter Shares by Company Size, 1972–86 15

Federally Inspected Slaughter Plants, by Species and by Size, 1987 *and* Large Plants—Number and Slaughter, 1978–1987 16

Top 25 Meat Companies *and* Top 10 Steer & Heifer Slaughterers in 1987 *and* Top 10 Hog Slaughterers in 1987 17

Steer Carcass Breakdown 18

Hog Carcass Breakdown 19

Beef Quality and Yield Graded, 1977–81 and 1983–87 20

Hamburger and Beef: Consumption and Prices, 1970–87 21

Meat Products Processed Under Federal Inspection 1987 22–23

Meat Products Canned Under Federal Inspection 1987 24

U.S. Production of Edible By-Products, Edible and Inedible Tallow, and Lard, 1970–87 *and* Cattlehides: Slaughter, Prices and Exports, 1970–87 25

Per Capita Disappearance of Red Meat, Carcass & Retail Weight Basis, 1960–87 26

Per Capita Disappearance of Poultry, Retail Weight Basis, 1960–87 27

Per Capita Disappearance of Red Meat, Poultry & Fish, Retail Weight Basis, 1960–87 28

Per Capita Consumption of Red Meat, Poultry & Fish, Boneless Equivalent, 1966–87 29

Beef and Pork—Nutritional Profiles 30

Red Meats and Fat 31–32

Retail Beef Cuts: Percentage of Bone-In vs. Boneless 33

Per Capita Income and Red Meat Expenditures, 1969–87 34

Meat Expenditures by Consumer Characteristics, 1986 35

Grocery Stores: Percentage of Meat Sales by Type 36

Grocery Stores: Typical Number of Fresh Meat Items Carried and Share of Meat Department Sales Devoted to Service vs. Self-Service 37

Consumer Expenditures for Meat, Poultry and Fish in Grocery Stores, 1986 & 1976 38

U.S. Average Retail Meat Prices, *and* Consumer and Producer Price Indices, 1980–87 39

Livestock and Wholesale Meat Prices, 1980–87 40

Employment and Earnings for Meat Packing and Meat Processing Industries Compared with All Food and All Manufacturing 41

Meat Industry Sales Breakdown by Company Type, 1986 42

Product Share of Industry Sales and Profits, by Company Type, 1986 43

Breakdown of Packers' and Packer/Processors' 1986 Sales Dollar, by Species Slaughtered 44

Breakdown of Hog Packers' and Packer/Processors' 1986 Sales Dollar by Percent of Fresh Meat Sales 45

Meat Animals, Meat and Meat Products: Value of United States Imports and Exports, 1985–87 46

U.S. Imports, Exports, and Net Imports of Beef and Veal, Pork, Lamb and Mutton, and Total Meat in Relation to Domestic Production, 1978–87 47

U.S. Imports of Selected Red Meat Products by Major Markets, 1985–87 48

U.S. Exports of Selected Red Meat and Livestock Products by Major Markets, 1985–87 49

U.S. Canned Ham Imports by Country, 1977–87 *and* U.S. Ham Production and Imports, 1977–87 50

World Meat Trade in Selected Countries, 1987 51

Per Capita Meat Disappearance in Selected Countries, 1987 52

Cattle, Sheep and Hogs on Farms January 1, 1925–88 And Total U.S. Resident Population July 1, 1925–88

	CATTLE AND CALVES	SHEEP AND LAMBS	HOGS[1]	TOTAL RESIDENT POPULATION
		1,000 Head		Millions
1925	63,373	38,543	55,570	115.8
1930	61,003	51,565	55,705	123.1
1935	68,846	51,808	39,066	127.3
1940	68,309	52,107	61,165	132.0
1945	85,573	46,520	59,373	132.5
1950	77,963	29,826	58,937	151.9
1951	82,083	30,633	62,269	154.0
1952	88,072	31,982	62,117	156.4
1953	94,241	31,900	51,755	159.0
1954	95,679	31,356	45,114	161.9
1955	96,592	31,582	50,474	165.1
1956	95,900	31,157	55,354	168.1
1957	92,860	30,654	51,897	171.2
1958	91,176	31,217	51,517	174.1
1959	93,322	32,606	58,045	177.1
1960	96,236	33,170	59,026	180.0
1961	97,700	32,725	55,560	183.0
1962	100,369	30,969	61,837	185.8
1963	104,488	29,176	62,726	188.5
1964	107,903	27,116	62,060	191.1
1965	109,000	25,127	56,106	193.5
1966	108,862	24,734	50,519	195.6
1967	108,783	23,953	57,125	197.5
1968	109,371	22,223	58,818	199.4
1969	110,015	21,350	60,829	201.4
1970	112,369	20,423	57,046	204.0
1971	114,578	19,731	67,285	206.8
1972	117,862	18,739	62,412	209.3
1973	121,539	17,641	59,017	211.4
1974	127,788	16,310	60,614	213.3
1975	132,028	14,515	54,693	215.5
1976	127,980	13,311	49,267	217.6
1977	122,810	12,722	54,934	219.8
1978	116,375	12,421	56,539	222.1
1979	110,864	12,365	60,356	224.6
1980	111,192	12,687	67,318	227.3
1981	114,321	12,936	64,462	229.6
1982	115,604	12,966	58,698	232.0
1983	115,199	12,026	54,534	234.3
1984	113,700	11,487	56,694	236.5
1985	109,749	10,443	54,073	238.7
1986	105,468	9,983	52,313	241.1
1987	102,000	10,334	50,920	243.4
1988	98,994	10,774	53,795	265.3*

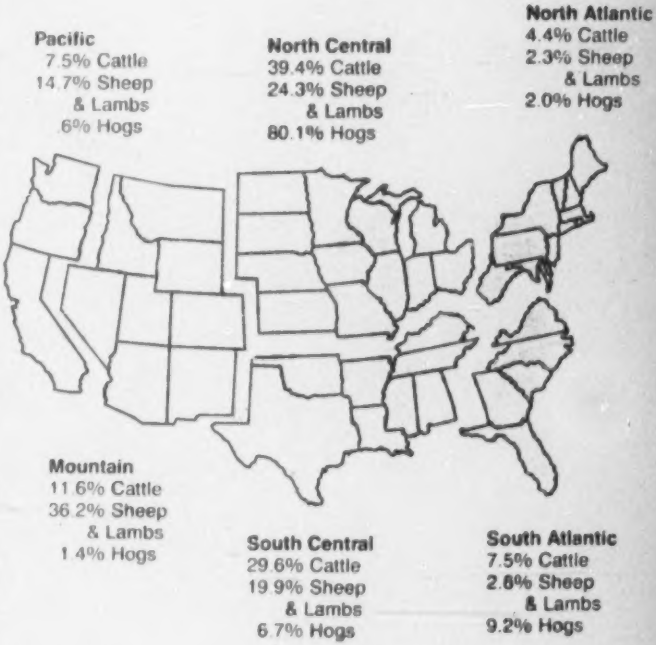
Source: U.S. Departments of Agriculture and Commerce

[1]*Beginning in 1962 figures are for Dec. 1 of previous year*

**Estimated*

Cattle and Calves, Sheep and Lambs on Farms January 1, 1988, And Hogs December 1, 1987, by State

STATE	CATTLE & CALVES	SHEEP & LAMBS	ALL HOGS
		1,000 Head	
PACIFIC			
Washington	1,290	72	55
Oregon	1,360	490	100
California	4,600	1,015	130
Alaska	10	2	1
Hawaii	199	0	47
MOUNTAIN			
Montana	2,350	538	230
Idaho	1,570	324	80
Wyoming	1,290	865	20
Colorado	2,700	860	205
New Mexico	1,320	451	31
Arizona	960	284	130
Utah	760	478	26
Nevada	500	96	16
NORTH CENTRAL			
Ohio	1,820	270	2,150
Indiana	1,360	80	4,600
Illinois	2,050	107	5,300
Michigan	1,225	105	1,350
Wisconsin	4,230	78	1,280
Minnesota	2,850	238	4,350
Iowa	4,600	405	13,800
Missouri	4,250	103	2,950
South Dakota	3,500	610	1,520
North Dakota	1,800	169	320
Nebraska	5,450	180	4,000
Kansas	5,860	277	1,450
SOUTH CENTRAL			
Kentucky	2,450	34	900
Tennessee	2,300	12	800
Alabama	1,670	0	345
Mississippi	1,350	0	263
Arkansas	1,850	0	465
Louisiana	1,125	16	46
Oklahoma	5,050	124	200
Texas	13,500	1,960	580
NORTH ATLANTIC			
New England[1]	619	65	67
New York	1,702	63	124
New Jersey	30	15	45
Pennsylvania	1,920	110	860
SOUTH ATLANTIC			
Delaware	29	0	58
Maryland	320	34	220
Virginia	1,700	140	420
West Virginia	490	91	36
North Carolina	825	13	2,500
South Carolina	620	0	400
Georgia	1,520	0	1,175
Florida	1,970	0	150
TOTAL U.S.	**98,994**	**10,774**	**53,795**



Source: U.S. Department of Agriculture

[1]*Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut*

N.A.—not available

Number of Operations with Livestock, by State and Species, 1986–87

	NUMBER OF OPERATIONS							
	Cattle		Milk Cows		Hogs		Sheep	
STATE	1986	1987	1986	1987	1986	1987	1986	1987
NORTH ATLANTIC								
New England[1]	14,700	14,090	7,570	6,800	5,330	5,240	3,000	3,060
New York	27,000	25,000	15,800	14,500	4,800	4,600	2,000	2,100
New Jersey	2,400	2,000	700	550	700	650	750	700
Pennsylvania	46,000	46,000	19,500	18,500	11,000	10,500	4,700	4,700
NORTH CENTRAL								
Ohio	44,000	43,000	10,600	10,100	14,000	14,500	7,500	7,100
Indiana	42,000	41,000	7,500	7,000	17,000	15,000	5,000	4,600
Illinois	40,000	38,000	5,500	5,000	16,000	15,500	5,000	5,100
Michigan	28,000	26,000	8,000	7,000	7,500	7,000	2,500	2,500
Wisconsin	62,000	60,000	39,000	37,000	11,200	10,500	3,200	3,000
Minnesota	49,000	48,000	21,000	19,000	18,000	16,500	4,800	4,800
Iowa	63,000	61,000	10,000	9,500	38,000	39,000	12,000	11,000
Missouri	96,000	92,000	10,500	9,500	19,000	18,000	3,900	3,700
South Dakota	25,000	24,000	5,200	4,600	7,500	7,000	5,100	5,000
North Dakota	17,200	16,000	3,000	2,500	3,000	2,600	1,800	1,900
Nebraska	35,000	33,000	4,300	4,100	13,000	13,000	3,300	3,400
Kansas	44,000	43,000	3,500	2,600	7,000	6,900	2,000	2,000
SOUTH ATLANTIC								
Delaware	730	700	230	220	440	500	N.A.	N.A.
Maryland	7,900	7,900	2,100	2,000	1,900	1,800	900	1,000
Virginia	39,000	38,000	5,000	4,500	9,000	8,500	2,900	3,000
West Virginia	17,000	16,500	3,100	2,900	3,500	3,500	2,700	2,800
North Carolina	37,000	34,000	4,000	3,800	15,000	13,500	500	600
South Carolina	18,000	17,000	2,000	1,800	12,500	11,500	N.A.	N.A.
Georgia	35,000	34,000	1,700	1,700	9,000	8,600	N.A.	N.A.
Florida	21,000	21,000	1,400	1,200	5,000	5,000	N.A.	N.A.
SOUTH CENTRAL								
Kentucky	61,000	60,000	8,000	7,500	14,000	14,000	1,000	1,100
Tennessee	74,000	70,000	6,400	6,200	18,000	15,000	470	550
Alabama	41,000	40,000	1,400	1,300	8,200	8,000	N.A.	N.A.
Mississippi	32,000	31,000	2,200	1,900	11,500	10,000	N.A.	N.A.
Arkansas	34,000	34,000	2,000	2,000	3,000	2,500	N.A.	N.A.
Louisiana	24,000	24,000	3,000	2,800	3,500	3,400	1,200	1,200
Oklahoma	64,000	64,000	4,800	4,000	6,000	6,000	2,400	2,500
Texas	142,000	146,000	7,500	6,900	13,000	13,000	8,500	8,500
MOUNTAIN								
Montana	16,000	15,700	2,500	2,500	1,400	2,000	2,900	2,900
Idaho	18,000	17,000	3,700	3,200	2,000	1,900	2,500	2,500
Wyoming	5,600	5,400	800	700	500	400	1,400	1,400
Colorado	16,500	15,500	2,600	2,000	2,300	2,300	2,600	2,700
New Mexico	9,000	9,000	1,300	1,200	1,200	1,100	1,500	1,400
Arizona	5,200	5,000	800	800	700	650	600	550
Utah	8,800	8,600	2,100	2,000	1,000	900	2,300	2,200
Nevada	1,700	1,700	400	400	180	180	300	300
PACIFIC								
Washington	23,000	22,000	3,200	3,000	3,300	3,200	2,200	2,200
Oregon	26,000	26,000	3,800	3,400	3,200	3,200	5,600	5,600
California	34,000	33,000	5,100	5,000	5,000	5,000	6,200	6,000
Alaska	190	180	70	60	50	40	30	30
Hawaii	800	800	90	90	600	600	N.A.	N.A.
TOTAL U.S.	**1,447,720**	**1,410,070**	**252,910**	**233,320**	**348,000**	**332,760**	**115,250**	**113,690**

Source: U.S. Department of Agriculture

[1]*Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut*

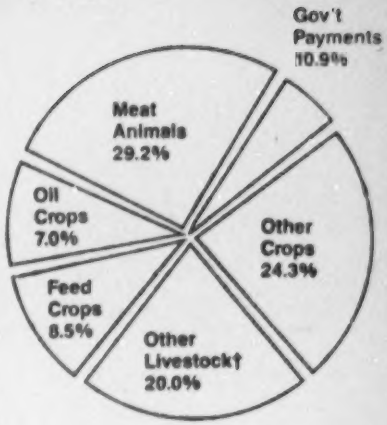
Livestock Prices Received by Farmers, U.S. Averages for All Grades

	BEEF CATTLE	CALVES	HOGS	LAMBS
		Dollars Per 100 Pounds		
1925	$ 6.53	$ 8.59	$10.90	$12.40
1930	7.71	9.68	8.84	7.76
1935	6.04	7.16	8.65	7.28
1940	7.56	8.83	5.39	8.10
1945	12.10	13.00	14.00	13.10
1950	23.30	26.30	18.00	25.10
1951	28.70	32.00	20.00	31.00
1952	24.30	25.80	17.80	24.30
1953	16.30	16.70	21.40	19.30
1954	16.00	16.50	21.60	19.10
1955	15.60	16.70	15.00	18.40
1956	14.90	16.00	14.40	18.50
1957	17.20	18.70	17.80	19.90
1958	21.90	25.20	19.60	21.00
1959	22.60	26.70	14.10	18.70
1960	20.40	22.90	15.30	17.90
1961	20.20	23.70	16.60	15.80
1962	21.30	25.10	16.30	17.80
1963	19.90	24.00	14.90	18.10
1964	18.00	23.00	14.80	19.90
1965	19.90	22.10	20.60	22.80
1966	22.20	26.00	22.80	23.40
1967	22.30	26.30	18.90	22.10
1968	23.40	27.60	18.50	24.40
1969	26.20	31.50	22.20	27.20
1970	27.10	34.50	22.70	26.40
1971	29.00	36.40	17.50	25.90
1972	33.50	44.70	25.10	29.10
1973	42.80	56.60	38.40	35.10
1974	35.60	35.20	34.20	37.00
1975	32.30	27.20	46.10	42.10
1976	33.70	34.20	43.30	46.90
1977	34.40	36.90	39.40	51.30
1978	48.50	59.10	46.60	62.70
1979	66.00	88.80	41.80	66.70
1980	62.40	76.80	38.00	63.60
1981	58.60	64.00	43.90	54.90
1982	56.70	59.80	52.30	53.10
1983	55.50	61.70	46.80	53.90
1984	57.30	59.90	47.10	60.10
1985	53.70	62.10	44.00	67.70
1986	52.60	61.10	49.30	69.00
1987	61.10	78.50	51.20	77.60

Source: U.S. Department of Agriculture

ash Receipts from Farm Marketings of Meat Animals, y State, 1987

RANK	STATE	CATTLE AND CALVES	HOGS	SHEEP AND LAMBS	TOTAL
		Millions of Dollars			
1	Texas	$ 4,587.1	$ 102.3	$ 86.6	$ 4,776.1
2	Iowa	1,951.7	2,735.1	26.0	4,712.8
3	Nebraska	3,829.1	774.9	12.7	4,616.7
4	Kansas	3,420.2	287.6	13.4	3,721.2
5	Colorado	1,977.7	36.6	35.8	2,050.1
6	Minnesota	1,149.3	848.0	13.9	2,011.2
7	Illinois	798.4	1,062.3	7.3	1,868.0
8	California	1,552.1	31.7	94.7	1,678.5
9	Oklahoma	1,607.2	42.8	4.1	1,654.1
10	South Dakota	1,251.2	348.2	44.6	1,644.0
11	Missouri	959.1	579.3	5.9	1,544.3
12	Indiana	353.5	786.2	4.3	1,144.0
13	Wisconsin	770.0	289.4	5.0	1,064.4
14	Ohio	371.7	395.8	13.5	781.1
15	Montana	631.8	35.3	23.3	690.4
16	Tennessee	557.0	131.6	0.5	689.0
17	New Mexico	635.9	5.8	14.7	656.4
18	North Carolina	190.7	463.4	0.3	654.4
19	Kentucky	467.8	180.2	1.7	649.7
20	North Dakota	545.7	50.8	10.5	607.0
21	Idaho	568.9	12.7	21.7	603.3
22	Alabama	487.9	64.6	*	552.5
23	Virginia	451.7	77.7	7.6	537.1
24	Pennsylvania	380.1	151.3	3.2	534.7
25	Arizona	483.3	33.2	10.4	526.9
26	Michigan	297.4	212.6	5.8	515.8
27	Wyoming	464.3	5.8	30.2	500.4
28	Georgia	291.8	203.6	*	495.4
29	Arkansas	358.9	102.6	*	461.5
30	Florida	387.9	23.5	*	411.4
31	Washington	388.4	6.6	3.8	398.8
32	Oregon	320.7	25.0	21.1	366.8
33	Mississippi	214.8	40.2	*	255.0
34	Utah	215.0	3.6	23.8	242.4
35	New York	190.6	19.9	2.0	212.5
36	Louisiana	192.0	7.1	0.3	199.4
37	South Carolina	116.1	69.0	*	185.1
38	Nevada	125.1	2.2	4.5	131.8
39	Maryland	62.5	37.3	0.6	100.4
40	West Virginia	61.9	7.5	3.1	72.5
41	Vermont	54.1	1.1	0.6	55.9
42	Hawaii	27.4	8.5	*	35.9
43	Maine	19.1	1.4	0.9	21.4
44	New Jersey	16.7	2.2	0.3	19.2
45	Massachusetts	13.1	4.0	0.5	17.6
46	Delaware	3.7	13.3	*	17.0
47	Connecticut	15.2	0.6	0.6	16.4
48	New Hampshire	11.9	1.1	0.6	13.6
49	Rhode Island	0.6	0.5	*	1.1
50	Alaska	0.8	0.2	*	1.0
	Total U.S.	$33,829.1	$10,326.4	$560.4	$44,715.9



Cash Receipts from Farming, 1987

†Includes dairy products, poultry and eggs

Source: U.S. Department of Agriculture

*Less than 50,000

Totals may not add due to rounding

Number of Feedlots and Cattle Marketed, by Feedlot Capacity*, 1987

	Under 1,000	1,000 to 8,000	8,000 to 16,000	16,000 to 32,000	32,000 & Over	Total
	Number of Feedlots					
Arizona	9	—	—	6	5	20
California	10	22	11	11	6	60
Colorado	140	135	16	11	8	310
Iowa	9,655	345	—	—	—	10,000
Kansas	1,627	183	49	26	15	1,900
Nebraska	8,950	387	45	13	5	9,400
Texas	849	42	36	40	33	1,000
7 Major States	21,240	1,114	157	107	72	22,690
% of Total	93.6	4.9	.7	.5	.3	100.0
13 States[1]	40,353	1,343	185	119	81	42,081
% of Total	95.9	3.2	.4	.3	.2	100.0
	Cattle Marketed, Thousand Head					
Arizona	17	—	—	177	266	460
California	3	73	98	226	365	765
Colorado	45	555	310	425	895	2,230
Iowa	1,215	535	—	—	—	1,750
Kansas	70	528	1,014	1,065	1,353	4,030
Nebraska	1,340	1,600	920	540	500	4,900
Texas	90	225	625	1,385	2,930	5,255
7 Major States	2,780	3,516	2,967	3,818	6,309	19,390
% of Total	14.3	18.1	15.3	19.7	32.5	100.0
13 States[1]	4,226	4,071	3,285	4,347	7,042	22,971
% of Total	18.4	17.7	14.3	18.9	30.7	100.0

Source: U.S. Department of Agriculture

**Numbers from certain size groups included with other groups to avoid disclosing individual operations*

[1]Principal cattle feeding states include 7 major states and ID, IL, MN, OK, SD and WA

Composition of Commercial Cattle Slaughter, 1960–87

Year	Steers & Heifers		Cows	Bulls & Stags	Total	Steers & Heifers		Cows	Bulls & Stags
	Fed	Nonfed				Fed	Nonfed		
	Thousand Head					Percent			
1960	13,496	5,602	5,773	353	25,224	53.5%	22.2%	22.9%	1.4%
1961	14,545	5,585	5,179	326	25,635	56.7	21.8	20.2	1.3
1962	15,365	4,981	5,453	284	26,083	58.9	19.1	20.9	1.1
1963	16,844	4,914	5,229	245	27,232	61.9	18.0	19.2	.9
1964	18,261	5,681	6,524	352	30,818	59.3	18.4	21.2	1.1
1965	18,851	4,920	8,074	502	32,347	58.2	15.2	25.0	1.6
1966	20,551	5,101	7,556	519	33,737	60.9	15.1	22.4	1.5
1967	21,847	4,796	6,757	469	33,869	64.5	14.2	20.0	1.4
1968	23,668	3,972	6,843	543	35,026	67.6	11.3	19.5	1.6
1969	24,911	2,824	6,920	582	35,237	70.7	8.0	19.6	1.6
1970	25,725	2,606	6,116	578	35,025	73.5	7.4	17.5	1.6
1971	26,127	2,450	6,375	633	35,585	73.4	6.9	17.9	1.8
1972	27,728	1,414	5,992	645	35,779	77.5	4.0	16.7	1.8
1973	26,083	680	6,248	676	33,687	77.5	2.0	18.5	2.0
1974	23,994	4,484	7,514	820	36,812	65.2	12.2	20.4	2.2
1975	21,260	6,997	11,557	1,097	40,911	52.0	17.1	28.2	2.7
1976	25,125	5,912	10,619	998	42,654	58.9	13.9	24.9	2.3
1977	25,969	5,120	9,864	903	41,856	62.0	12.2	23.6	2.2
1978	27,850	2,434	8,470	798	39,552	70.4	6.2	21.4	2.0
1979	25,566	1,553	5,930	629	33,678	75.9	4.6	17.6	1.9
1980	24,004	2,745	6,334	724	33,807	71.0	8.1	18.7	2.2
1981	23,818	3,717	6,643	775	34,953	68.2	10.6	19.0	2.2
1982	24,902	2,769	7,354	818	35,843	69.5	7.7	20.5	2.3
1983	25,752	2,492	7,597	808	36,649	70.3	6.8	20.7	2.2
1984	25,758	2,414	8,621	789	37,582	68.5	6.5	22.9	2.1
1985	26,155	1,984	7,391	759	36,289	72.1	5.4	20.4	2.1
1986	25,957	2,660	7,959	714	37,290	69.6	7.1	21.4	1.9
1987	26,263	2,085	6,610	689	35,647	73.7	5.8	18.5	1.9

Source: U.S. Department of Agriculture

Livestock Slaughter and Meat Production, 1925–1987

	SLAUGHTER (Thousand Head)				MEAT PRODUCTION (Million Pounds)				
	Cattle	Calves	Sheep & Lambs	Hogs	Beef	Veal	Lamb & Mutton	Pork	Total
1925	14,704	9,936	15,430	65,508	6,878	989	603	8,128	16,598
1930	12,056	7,761	21,125	67,272	5,917	792	825	8,482	16,016
1935	14,805	9,632	22,000	46,011	6,608	1,023	877	5,919	14,427
1940	14,958	9,089	21,571	77,610	7,175	981	876	10,044	19,076
1945	21,694	13,657	24,639	71,891	10,276	1,664	1,054	10,697	23,691
1950	18,614	10,501	13,244	79,263	9,534	1,230	597	10,714	22,075
1955	26,587	12,864	16,553	81,051	13,569	1,578	758	10,990	26,895
1960	26,029	8,615	16,240	84,150	14,753	1,109	768	11,607	28,237
1961	26,471	8,080	17,537	81,970	15,327	1,044	832	11,408	28,611
1962	26,911	7,857	17,168	83,424	15,324	1,015	808	11,827	28,974
1963	28,070	7,204	16,147	87,117	16,456	929	770	12,427	30,582
1964	31,678	7,632	14,895	86,284	18,456	1,013	715	12,513	32,697
1965	33,171	7,788	13,300	76,458	18,727	1,020	651	11,141	31,539
1966	34,173	6,863	13,004	75,382	19,726	910	650	11,339	32,625
1967	34,297	6,110	13,035	83,420	20,219	792	646	12,581	34,238
1968	35,418	5,616	12,120	86,417	20,880	734	602	13,064	35,280
1969	35,573	5,011	10,923	84,968	21,148	637	550	12,955	35,326
1970	35,356	4,203	10,801	87,052	21,652	588	551	13,426	36,217
1971	35,905	3,825	10,965	95,648	21,868	546	555	14,783	37,752
1972	36,134	3,201	10,525	85,865	22,381	458	543	13,617	36,999
1973	34,102	2,404	9,799	77,890	21,277	357	514	12,751	34,899
1974	37,353	3,175	9,064	83,083	23,138	486	465	13,805	37,894
1975	41,464	5,406	8,047	69,880	23,976	873	410	11,503	36,762
1976	43,199	5,527	6,911	74,959	25,969	853	371	12,415	39,608
1977	42,781	5,692	6,555	78,442	25,279	834	351	13,247	39,711
1978	39,170	4,302	5,543	78,417	24,242	632	309	13,393	38,576
1979	34,005	2,927	5,189	90,179	21,446	434	293	15,450	37,623
1980	34,116	2,679	5,742	97,174	21,644	400	318	16,615	38,977
1981	35,265	2,886	6,197	92,475	22,389	436	338	15,875	39,038
1982	36,158	3,106	6,643	82,844	22,536	448	365	14,229	37,578
1983	36,974	3,162	6,792	88,084	23,241	454	376	15,202	39,272
1984	37,892	3,367	6,900	85,641	23,596	495	380	14,812	39,283
1985	36,593	3,455	6,300	84,938	23,728	514	357	14,805	39,404
1986	37,568	3,478	5,762	79,956	24,371	524	337	14,063	39,296
1987	35,890	2,902	5,312	81,422	23,566	429	316	14,374	38,682

Source: U.S. Department of Agriculture

U.S. Livestock Slaughter and Meat Production, 1986–87

LIVESTOCK SLAUGHTER

SPECIES AND CLASS OF SLAUGHTER	1986 NUMBER OF HEAD Thousands	1986 % of Total	1986 AVERAGE LIVE WT.	1987 NUMBER OF HEAD Thousands	1987 % of Total	1987 AVERAGE LIVE WT.
CATTLE						
Federally Inspected	35,913	95.6%	1,105	34,468	96.0%	1,109
Other Commercial	1,375	3.7	1,100	1,179	3.3	987
Farm	280	.7	N.A.	243	.7	N.A.
Total	37,568	100.0	N.A.	35,890	100.0	N.A.
CALVES						
Federally Inspected	3,195	91.9	239	2,680	92.4	239
Other Commercial	213	6.1	251	135	4.6	439
Farm	70	2.0	N.A.	87	3.0	N.A.
Total	3,478	100.0	N.A.	2,902	100.0	N.A.
HOGS						
Federally Inspected	77,290	96.7	246	78,913	96.9	248
Other Commercial	2,309	2.9	246	2,168	2.7	233
Farm	358	.4	N.A.	341	.4	N.A.
Total	79,956	100.0	N.A.	81,422	100.0	N.A.
SHEEP AND LAMBS						
Federally Inspected	5,464	94.8	118	5,041	94.9	120
Other Commercial	171	3.0	117	158	3.0	99
Farm	127	2.2	N.A.	112	2.1	N.A.
Total	5,762	100.0	N.A.	5,312	100.0	N.A.

MEAT PRODUCTION

KIND OF MEAT AND CLASS OF SLAUGHTER	1986 DRESSED WEIGHT Mil. Lbs.	1986 % of Total	1986 AVERAGE DRESS WT.	1987 DRESSED WEIGHT Mil. Lbs.	1987 % of Total	1987 AVERAGE DRESS WT.
BEEF						
Federally Inspected	23,456	96.3%	656	22,746	96.5%	662
Other Commercial	757	3.1	576	659	2.8	589
Farm	158	.6	567	161	.7	563
Total	24,371	100.0	652	23,566	100.0	659
VEAL						
Federally Inspected	455	86.8	145	382	89.0	145
Other Commercial	54	10.3	270	34	7.9	266
Farm	15	2.9	228	13	3.1	224
Total	524	100.0	154	429	100.0	152
PORK						
Federally Inspected	13,618	96.8	177	13,954	97.1	177
Other Commercial	380	2.7	167	358	2.5	166
Farm	65	.5	181	62	.4	181
Total	14,063	100.0	177	14,374	100.0	176
LAMB AND MUTTON						
Federally Inspected	322	95.6	59	302	95.6	60
Other Commercial	8	2.4	49	8	2.5	50
Farm	7	2.0	54	6	1.9	54
Total	337	100.0	59	316	100.0	60

Source: U.S. Department of Agriculture

Totals may not add due to rounding

N.A.—Not Available

Slaughter and Number of Plants, by Species and State, 1987

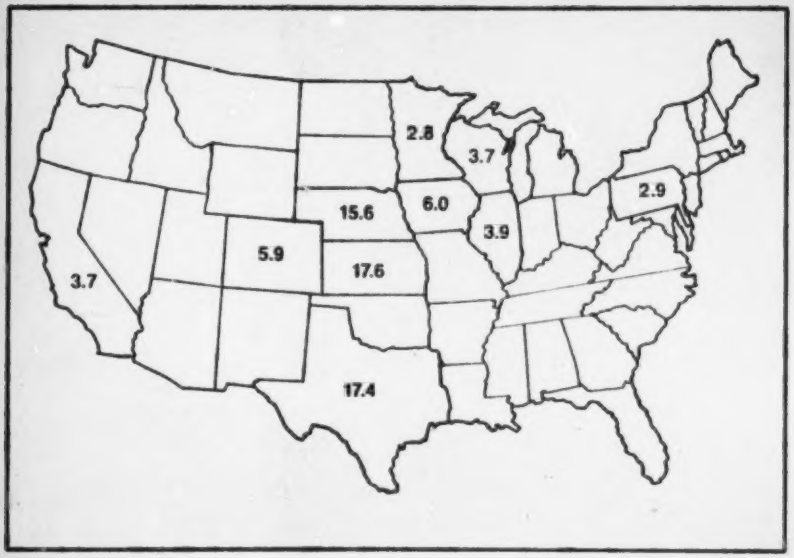
STATE	CATTLE		CALVES		HOGS		SHEEP & LAMBS	
	Commercial Slaughter Ths. Head	No. of F.I. Plants*	Commercial Slaughter Ths. Head	No. of F.I. Plants*	Commercial Slaughter Ths. Head	No. of F.I. Plants*	Commercial Slaughter Ths. Head	No. of F.I. Plants*
Alabama†	315.5	—	4	—	201.8	8	.2	—
Arizona†	406.8	—	11.3	—	13.9	—	1.8	—
Arkansas	56.1	49	8	11	277.4	50	.8	30
California	1,327.8	45	271.7	27	1,815.6	—	883.4	30
Colorado	2,118.5	37	2	7	249.1	—	1,117.1	31
Delaware-Maryland†	52.1	—	25.5	—	139.4	—	18.1	—
Florida†	199.1		124.7	8	83.0	—	.6	—
Georgia†	245.1		7.6	—	1,693.5	26	1.0	11
Hawaii†	60.0	5	—	—	44.3	—	.1	—
Idaho	690.9	30	1.6	—	111.8	—	4.8	22
Illinois†	1,397.1	—	161.1	—	5,747.0	19	334.3	—
Indiana†	175.2	14	237.6	6	4,099.8	15	11.0	8
Iowa†	2,132.8	11	—	—	21,262.3	23	497.5	—
Kansas†	6,265.0	12	2	—	1,901.0	—	405.4	—
Kentucky	122.7	34	5	16	2,480.0	41	9.6	21
Louisiana†	36.2	—	117.8	—	60.7	—	5.7	—
Michigan	391.3	73	81.4	46	4,526.6	65	217.1	59
Minnesota	999.6	44	3.0	—	5,947.0	41	380.7	—
Mississippi†	208.5	10	11.4	—	1,815.4	—	—	—
Missouri	390.4	107	6.0	—	3,874.2	99	13.7	—
Montana	22.2	27	2	11	27.2	26	2.9	26
Nebraska	5,575.9	52	1	9	4,058.7	34	2.9	—
Nevada	2.4	6	1	4	2.2	6	2.1	—
New England[1]	87.6	44	138.9	43	54.3	41	32.3	45
New Jersey	100.6	—	100.5	18	78.5	—	40.6	17
New Mexico†	134.2	6	—	—	5.0	—	65.9	—
New York	189.3	85	470.5	—	60.9	69	65.5	76
North Carolina†	144.9	—	2.5	—	2,699.5	—	.9	9
North Dakota	81.6	—	3	6	71.7	—	.8	19
Ohio†	492.3	19	109.2	10	2,874.4	18	23.9	9
Oklahoma†	287.1	19	3.1	—	125.4	19	2.2	10
Oregon	55.1	32	11.3	21	175.1	32	7.0	31
Pennsylvania	1,022.4	226	275.9	156	1,499.7	—	105.2	173
South Carolina†	114.3	—	19.3	5	521.0	—	.3	—
South Dakota†	569.9	8	1	—	3,769.2	—	87.0	—
Tennessee	243.4	56	26.6	—	1,883.2	64	1.9	—
Texas†	6,220.2	56	145.9	18	822.1	31	515.2	—
Utah†	427.4	—	2	—	232.0	—	25.6	—
Virginia†	90.0	19	3.3	11	4,622.9	21	148.4	—
Washington	849.8		75.6	16	19.2	19	156.7	—
West Virginia†	23.0		3	—	24.1	—	.6	—
Wisconsin†	1,314.9	12	368.0	9	1,104.7	—	6.9	—
Wyoming†	7.7				5.9	—	1.7	—
Total U.S.	**35,646.9**	**1,317.0**	**2,814.7**	**686.0**	**81,080.8**	**1,182.0**	**5,199.6**	**906.0**

Source: U.S. Department of Agriculture

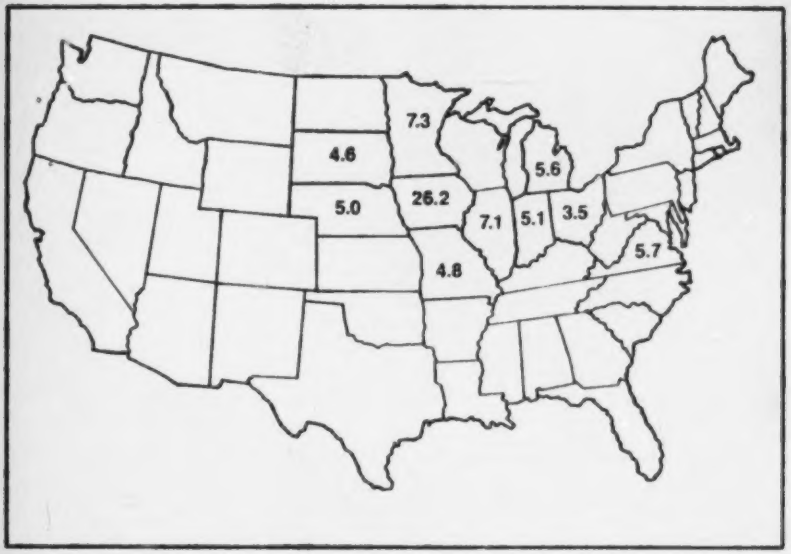
**Numbers in column will not add to total because of states left blank to avoid disclosing individual operations*

†Operating under State Inspection Programs

[1]Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont



Top 10 Cattle Slaughtering States, by Percentage of Commercial Cattle Slaughter, 1987



Top 10 Hog Slaughtering States, by Percentage of Commercial Hog Slaughter, 1987

Number of Livestock Slaughtering Plants, January 1, 1987 and 1988, by State

STATE	JANUARY 1, 1987			JANUARY 1, 1988		
	Federally Inspected Plants	Other Plants	Total	Federally Inspected Plants	Other Plants	Total
NORTH ATLANTIC						
New England[1]	50	70	120	43	57	100
New York	89	13	102	77	11	88
New Jersey	20	9	29	20	8	28
Pennsylvania	236	67	303	216	65	281
NORTH CENTRAL						
Ohio	34	225	259	29	230	259
Indiana	21	135	156	18	136	154
Illinois	28	174	202	28	166	194
Michigan	80	35	115	74	35	109
Wisconsin	17	188	205	17	176	193
Minnesota	48	190	238	44	190	234
Iowa	27	294	321	27	277	304
Missouri	109	140	249	105	135	240
South Dakota	10	108	118	8	101	109
North Dakota	24	53	77	21	49	70
Nebraska	54	138	192	56	143	199
Kansas	16	164	180	15	161	176
SOUTH ATLANTIC						
Delaware/Maryland	13	41	54	19	41	60
Virginia	26	74	100	24	67	91
West Virginia	2	55	57	2	55	57
North Carolina	18	92	110	21	80	101
South Carolina	8	44	52	7	44	51
Georgia	28	107	135	27	104	131
Florida	8	76	84	7	80	87
SOUTH CENTRAL						
Kentucky	46	58	104	40	56	96
Tennessee	67	61	128	61	67	128
Alabama	8	157	165	8	151	159
Mississippi	11	77	88	9	80	89
Arkansas	52	44	96	48	37	85
Louisiana	5	91	96	5	116	121
Oklahoma	20	135	155	17	128	145
Texas	64	239	303	62	224	286
MOUNTAIN						
Montana	27	17	44	26	16	42
Idaho	29	11	40	25	11	36
Wyoming	0	17	17	1	35	36
Colorado	39	19	58	39	17	56
New Mexico	8	26	34	7	26	33
Arizona	5	24	29	5	23	28
Utah	14	22	36	13	22	35
Nevada	6	0	6	6	0	6
PACIFIC						
Washington	28	4	32	25	4	29
Oregon	34	13	47	33	14	47
California	49	0	49	48	0	48
Hawaii	5	16	21	4	15	19
TOTAL U.S.	**1,483**	**3,523**	**5,006**	**1,387**	**3,453**	**4,840**

Source: U.S. Department of Agriculture

[1]*Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut*

Livestock Slaughter Shares by Company Size[1], 1972–86

Size Group	Steers & Heifers[2]	Cows & Bulls[2]	All Cattle	Calves	Hogs	Sheep & Lambs
	Percent of Commercial Slaughter					
4 Largest Companies						
1972	26.0%	11.7%	22.3%	21.8%	31.6%	54.7%
1973	27.7	9.8	22.8	23.6	32.9	51.8
1974	26.0	11.8	20.9	23.6	32.7	55.7
1975	25.3	10.5	19.3	24.6	33.1	57.5
1976	25.1	11.3	19.6	25.3	32.3	53.6
1977	26.9	9.6	20.2	25.0	32.6	52.8
1978	29.6	10.0	22.9	28.2	34.4	56.4
1979	34.5	9.7	27.9	30.5	33.7	64.2
1980	35.7	9.7	28.4	31.0	33.6	55.9
1981	39.6	9.6	31.4	28.6	33.3	52.5
1982	41.4	9.0	32.0	27.8	35.8	43.6
1983	46.6	10.3	36.0	28.2	29.1	43.8
1984	49.5	11.0	37.2	28.8	35.0	48.9
1985	50.3	17.2	39.0	31.1	32.2	51.2
1986	55.1	18.4	42.3	26.5	32.5	54.3
8 Largest Companies						
1972	38.6	19.2	33.3	36.8	46.0	74.3
1973	40.9	16.6	34.0	39.4	48.7	70.7
1974	38.5	18.8	31.3	37.8	48.8	74.8
1975	37.6	17.8	29.3	37.1	49.8	76.0
1976	36.2	18.7	28.6	37.2	48.5	75.4
1977	39.5	16.0	30.5	36.9	50.9	74.0
1978	41.2	17.6	32.5	41.9	52.8	77.5
1979	47.8	17.5	39.1	45.8	50.9	84.5
1980	51.4	18.4	41.3	44.9	50.9	82.8
1981	53.8	18.4	43.1	41.6	49.0	79.5
1982	56.1	17.1	43.6	41.8	53.2	73.6
1983	57.7	19.1	44.5	42.4	46.0	73.8
1984	60.5	19.4	45.5	42.5	53.1	76.0
1985	63.8	27.0	49.6	42.6	50.8	79.4
1986	68.2	28.9	52.9	38.0	53.6	80.6
12 Largest Companies						
1972	45.4	25.7	39.2	46.5	53.9	83.0
1973	48.0	22.6	40.1	50.6	56.4	79.1
1974	45.0	24.1	37.1	46.2	55.9	83.5
1975	45.0	23.2	35.6	44.7	58.2	86.2
1976	42.5	23.9	34.3	45.6	56.4	86.7
1977	47.0	21.1	36.3	45.6	59.4	83.8
1978	48.3	23.7	38.1	48.8	60.6	86.1
1979	54.3	24.5	44.4	54.1	58.5	91.4
1980	58.0	25.3	46.5	52.6	59.9	91.0
1981	61.7	26.2	49.5	48.9	57.1	84.8
1982	63.2	25.0	49.6	49.2	63.5	82.5
1983	63.9	26.2	50.1	49.5	55.9	84.6
1984	67.6	26.2	53.2	49.8	66.8	87.5
1985	70.4	34.5	56.4	50.1	66.2	90.6
1986	74.2	35.9	59.5	46.0	69.0	86.9

Source: U.S. Department of Agriculture

[1]Slaughter operations are combined on the basis of ownership and/or control.

[2]Commercial slaughter estimated from federally inspected slaughter.

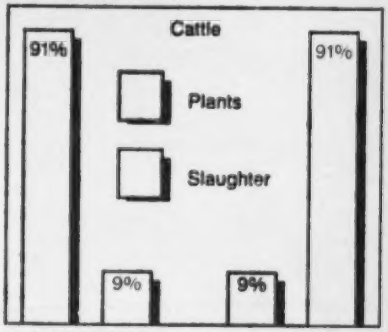
Federally Inspected Slaughter Plants, by Species and by Size, 1987

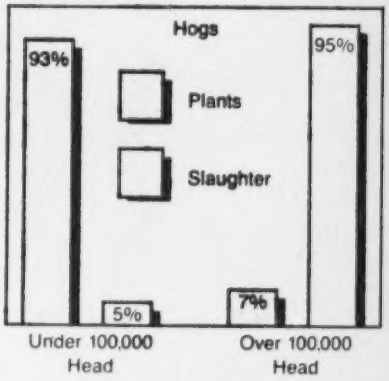
SIZE GROUPS	PLANTS		SLAUGHTER	
	Number	Percent of Total	Thous. Head	Percent of Total*
CATTLE				
Under 1,000	907	68.9%	283	.8%
1,000–9,999	203	15.4	688	2.0
10,000–49,999	94	7.1	2,206	6.5
50,000–499,999	94	7.1	13,961	41.1
500,000 and over	19	1.4	16,865	49.6
Total	**1,317**	**100.0**		
CALVES				
Under 100	479	69.8	30	1.1
100–9,999	151	22.0	211	8.0
10,000 and over	56	8.2	2,402	90.9
Total	**686**	**100.0**		
HOGS				
Under 1,000	811	68.6	319	.4
1,000–9,999	196	16.6	596	.8
10,000–99,999	88	7.4	3,077	3.9
100,000–999,999	51	4.3	20,432	26.2
1,000,000 and over	36	3.0	53,703	68.7
Total	**1,182**	**100.0**		
SHEEP AND LAMBS				
Under 100	653	72.1	17	.3
100–999	171	18.9	50	1.0
1,000–9,999	60	6.6	171	3.4
10,000 and over	22	2.4	4,764	95.2
Total	**906**	**100.0**		

Source: U.S. Department of Agriculture

**Percent of U.S. commercial slaughter*

Percent of F.I. Plants and Slaughter by Size of Plant





Large Plants—Number and Slaughter, 1978–87

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CATTLE—50,000 or more										
Number of Plants	191	153	149	129	134	135	136	118	114	113
Percent of all F.I. Plants	12.5%	10.4%	10.6%	8.3%	8.9%	8.9%	9.1%	8.1%	8.3%	8.6%
Slaughter, ths. head	30,768	26,140	27,030	27,572	28,697	29,981	31,305	30,532	31,815	30,826
Percent of Commercial Slaughter	77.8%	77.6%	80.0%	78.9%	80.0%	81.8%	83.3%	84.1%	85.3%	90.7%
HOGS—100,000 or more										
Number of Plants	109	114	115	110	101	104	99	72	79	87
Percent of all F.I. Plants	8.9%	9.3%	9.3%	7.9%	7.5%	7.8%	7.4%	5.5%	6.3%	7.4%
Slaughter, ths. head	69,980	82,291	67,889	83,095	74,449	80,351	77,676	74,612	72,444	74,135
Percent of Commercial Slaughter	90.5%	92.4%	91.5%	90.7%	90.7%	91.8%	91.2%	88.3%	91.0%	94.9%

Source: U.S. Department of Agriculture

Top 25 Meat Companies (Ranked by 1987 Sales)

1. **ConAgra, Inc.**
   Omaha, NE
2. **IBP, Inc.**
   Dakota City, NE
3. **Excel Corp.**
   Wichita, KS
4. **Sara Lee Corp.**
   Chicago, IL
5. **Geo. A. Hormel & Co.**
   Austin, MN
6. **Oscar Mayer Foods Corp.**
   Madison, WI
7. **Swift Independent Corp.**
   Dallas, TX
8. **John Morrell & Co.**
   Northfield, IL
9. **Swift-Eckrich, Inc.**
   Oak Brook, IL
10. **Wilson Foods Corp.**
    Oklahoma City, OK
11. **Dubuque Packing Co.**
    Omaha, NE
12. **Smithfield Foods, Inc.**
    Arlington, VA
13. **Idle Wild Foods, Inc.**
    Worcester, MA
14. **FDL Foods, Inc.**
    Dubuque, IA
15. **Farmland Foods, Inc.**
    Kansas City, MO
16. **Consolidated Beef Industries, Inc.**
    Green Bay, WI
17. **Farmstead Foods**
    Albert Lea, MN
18. **Thorn Apple Valley, Inc.**
    Southfield, MI
19. **Packerland Packing Co., Inc.**
    Green Bay, WI
20. **Nebraska DuPaCo**
    Omaha, NE
21. **Moyer Packing Co.**
    Souderton, PA
22. **Hudson Foods, Inc.**
    Rogers, AR
23. **Kane-Miller Corp.**
    Tarrytown, NY
24. **Hyplains Dressed Beef, Inc.**
    Dodge City, KS
25. **Freshmark, Inc.**
    Massillon, OH

Source: **Meat & Poultry** *magazine*

Top 10 Steer & Heifer Slaughterers in 1987 (Ranked Alphabetically)

1. ConAgra, Inc.
2. DuBuque Packing Company
3. Excel Corporation
4. Hyplains Dressed Beef, Inc.
5. IBP, inc.
6. Sam Kane Beef Processors, Inc.
7. John Morrell & Company
8. Moyer Packing Company
9. National Beef Packing Company
10. Packerland Packing Co., Inc.

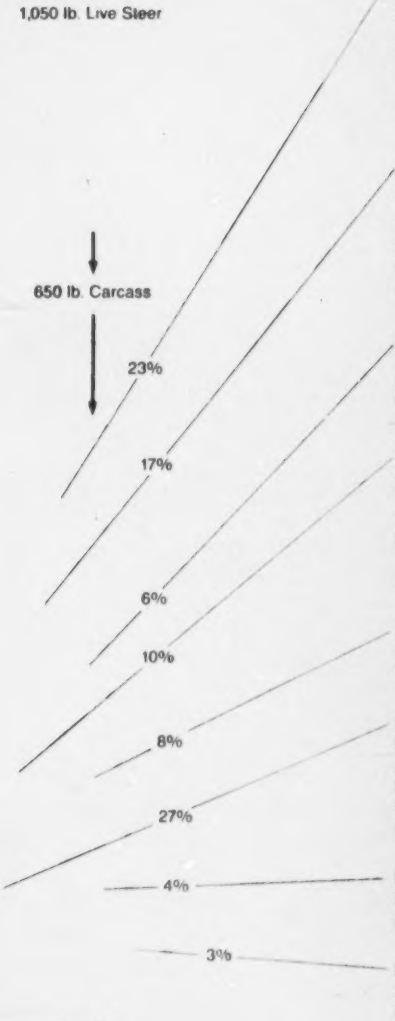
Source: U.S. Department of Agriculture

Top 10 Hog Slaughterers in 1987 (Ranked Alphabetically)

1. ConAgra, Inc.
2. Farmland Foods, Inc.
3. Farmstead Foods
4. FDL Foods, Inc.
5. IBP, inc.
6. John Morrell & Co.
7. Oscar Mayer Foods Corp.
8. The Smithfield Packing Company
9. Thorn Apple Valley, Inc.
10. Wilson Foods Corporation

Source: U.S. Department of Agriculture

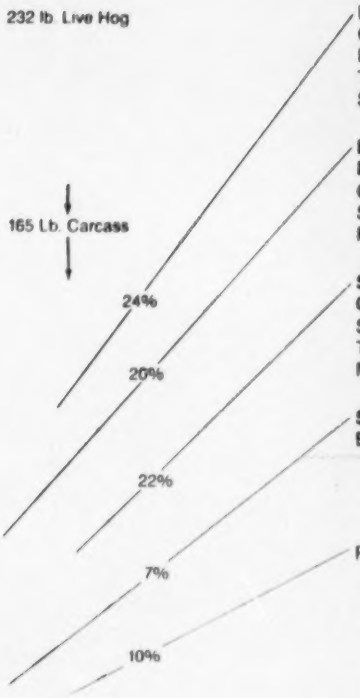
Steer Carcass Breakdown



	Retail Beef (Lbs)	Other Products (Lbs)	Carcass Total (Lbs)
ROUND (147.6 lbs)			
Top round	22.5		
Bottom round	21.7		
Tip	14.0		
Rump	5.1		
Stewing beef, ground beef, etc.	26.3		
Fat, bone		58.0	
Total	89.6	58.0	147.6
LOIN (110.5 lbs)			
Porterhouse steak	19.5		
T-bone steak	9.9		
Top loin steak	5.4		
Sirloin steak	43.2		
Ground beef	3.0		
Fat, bone		29.5	
Total	81.0	29.5	110.5
FLANK (37.1 lbs)			
Flank steak	3.7		
Ground beef	13.8		
Fat		19.6	
Total	17.5	19.6	37.1
RIB (62.0 lbs)			
Rib roast	25.4		
Rib steak	13.0		
Short ribs	4.9		
Braising beef, ground beef	6.5		
Fat, bone		12.2	
Total	49.8	12.2	62.0
PLATE (54.0 lbs)			
Plate, stew, short ribs	43.2		
Fat, bone		10.8	
Total	43.2	10.8	54.0
CHUCK (176.8 lbs)			
Blade roast	63.6		
Arm pot roast	23.9		
Cross rib pot roast	22.1		
Stew, ground beef	34.4		
Fat, bone		32.8	
Total	144.0	32.8	176.8
BRISKET (27.3 lbs)			
Boneless brisket	11.0		
Fat, bone		16.3	
Total	11.0	16.3	27.3
FORESHANK (18.9 lbs)			
Shank meat	9.0		
Bone		9.9	
Total	9.0	9.9	18.9
MISCELLANEOUS (15.8 lbs)			
Kidney, hanging tender	3.7		
Fat, suet, shrink and loss		12.1	
Total	3.7	12.1	15.8
TOTAL	**448.8**	**201.2**	**650.0**

Source: Derived by AMI from USDA and industry figures

Hog Carcass Breakdown



	Retail Pork* (Lbs)	Other Products (Lbs)	Carcass Total (Lbs)
HAM (39.4 lbs)			
Cured ham	20.1		
Fresh ham	4.1		
Trimmings	3.0		
Skin, fat, bone		12.2	
Total	27.2	12.2	39.4
LOIN (32.9 lbs)			
Blade roast	8.0		
Center chops	17.3		
Sirloin roast	5.6		
Fat		2.0	
Total	30.9	2.0	32.9
SIDE (36.4 lbs)			
Cured bacon	18.6		
Spareribs	6.4		
Trimmings	9.4		
Fat		2.0	
Total	34.4	2.0	36.4
SHOULDER (28.0 lbs)			
Boston Butt			
Blade steaks	7.0		
Blade roast	4.2		
Trimmings	0.8		
Total	12.0		12.0
Picnic			
Arm roast	7.7		
Trimmings	3.7		
Skin, fat, bone		4.6	
Total	11.4	4.6	16.0
MISCELLANEOUS (28.3 lbs)			
Jowls, feet, tails, neckbones, etc.	6.5		
Trimmings	3.9		
Fat, skin, bone		14.4	
Shrink and loss		3.5	
Total	10.4	17.9	28.3
TOTAL	126.3	38.7	165.0

Source: Derived by AMI from USDA and industry figures

**Retail cuts on semi-boneless basis. Fully boneless would show lower retail weight.*

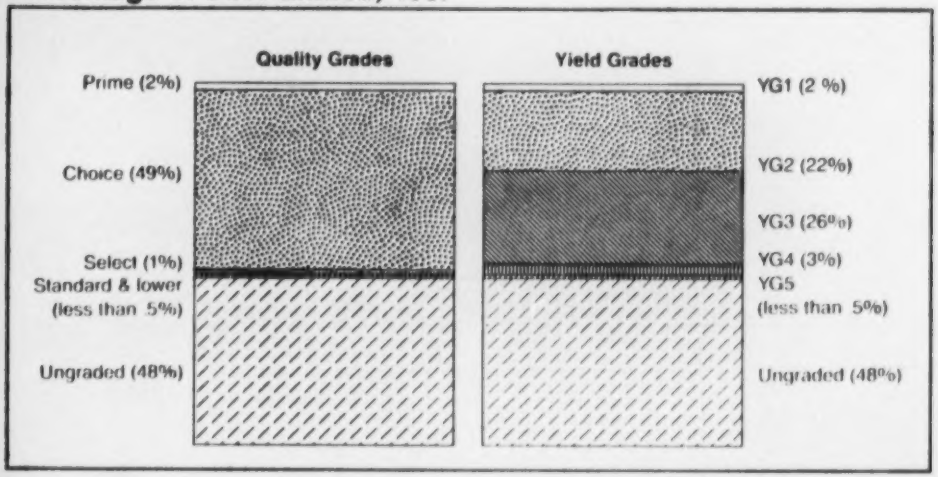
Beef Quality and Yield Graded, 1977–81 and 1983–87

	1977	1978	1979	1980	1981*	1983*	1984	1985	1986	1987
	Million Pounds									
QUALITY GRADED										
Prime	1,189	826	730	722	624	472	363	456	400	383
Choice	11,617	11,844	10,671	10,800	10,954	11,152	10,829	11,875	12,053	11,463
Good/Select	719	643	490	516	431	423	430	386	344	266
Standard	38	28	19	26	16	13	12	11	6	3
Commercial	85	47	18	19	19	13	8	8	3	2
Utility	264	141	52	50	67	48	43	35	20	15
Cutter and Canner	22	12	5	4	7	1	1	4	1	1
Total	13,934	13,542	11,985	12,137	12,118	12,121	11,686	12,774	12,827	12,132
YIELD GRADED										
Grade #1	335	294	214	200	229	275	406	461	507	448
Grade #2	4,306	4,121	3,470	3,502	3,671	4,221	4,923	5,195	5,360	5,048
Grade #3	7,982	7,906	7,044	7,088	6,928	6,672	5,767	6,387	6,286	5,989
Grade #4	1,156	1,093	1,115	1,179	1,140	856	550	667	621	593
Grade #5	155	128	142	170	149	97	40	63	53	53
Total	13,934	13,542	11,985	12,137	12,118	12,121	11,686	12,774	12,827	12,132
Total Commercial Beef Production	24,986	24,010	21,261	21,470	22,214	23,058	23,416	23,557	24,213	23,405

Source: U.S. Department of Agriculture

**1982 not available; 1983 estimated by U.S.D.A.*

Percentage of Beef Graded, 1987



Hamburger and Beef: Consumption and Prices, 1970–87

	PER CAPITA CONSUMPTION				PRICES	
	HAMBURGER	PROCESSED BEEF[1]	BEEF CUTS	TOTAL BEEF	HAMBURGER[2]	CHOICE BEEF
	Pounds Retail				Dollars Per Pound	
1970	21.9	10.8	51.2	84.0	$ .66	$1.02
1971	22.1	10.4	50.8	83.4	.68	1.08
1972	22.4	10.0	53.0	85.4	.74	1.19
1973	21.9	9.4	49.2	80.5	.96	1.42
1974	24.7	10.1	50.9	85.6	.97	1.46
1975	30.1	11.7	46.0	87.9	.88	1.55
1976	30.5	11.3	52.6	94.4	.88	1.48
1977	28.4	10.0	53.4	91.8	.85	1.48
1978	27.2	9.1	51.0	87.2	.99	1.82
1979	23.6	7.4	47.0	78.0	1.32	2.26
1980	24.7	7.4	44.4	76.5	1.36	2.38
1981	25.2	7.1	44.7	77.1	1.33	2.39
1982	26.4	7.0	43.8	77.2	1.32	2.42
1983	26.5	6.6	45.4	78.6	1.29	2.38
1984	27.5	6.4	44.6	78.5	1.28	2.40
1985	27.2	6.0	46.0	79.1	1.24	2.33
1986	29.3	6.0	43.1	78.4	1.23	2.31
1987	29.0	5.5	38.9	73.4	1.31	2.42

Source: Consumption data derived by AMI from government data; price data from U.S. Department of Labor, Bureau of Labor Statistics

[1]Includes beef sausage, bologna, and luncheon meats but excludes cured briskets and cooked beef

[2]1978–83 estimated based on Consumer Price Index for ground beef

Meat Products Processed Under Federal Inspection, 1987

ITEM	1987 52 Weeks Ending Dec. 31, 1987 Thousand Pounds
CURED	
Beef Briskets	215,330
Other Beef	160,523
Pork	3,650,957
Other Meats	22,451
SMOKED DRIED OR COOKED	
Hams	
Bone-In	99,092
Bone-In, Water Added	314,072
Semi-Boneless	8,778
Semi-Boneless, Water Added	62,770
Boneless	103,601
Boneless, Water Added	636,683
Sectioned & Formed	57,620
Sectioned & Formed, Water Added	348,397
Hams, Dry Cured	104,035
Total Hams	1,735,048
Pork-Regular	199,345
Pork-Water Added	245,993
Total Other Pork	445,338
Bacon	1,533,985
Total Pork	3,714,371
Beef, Cooked	480,848
Beef, Dried	32,216
Other Meats	350,472
FRESH/FROZEN PRODUCTS	
Beef Cuts	9,944,455
Beef Boning	8,857,349
Pork Cuts	9,678,906
Pork Boning	3,172,333
Other Cuts	486,279
Other Boning	229,846
Mechanically Processed Beef	3,585
Mechanically Processed Pork	33,297
Mechanically Processed Other	3,700
Steaks, Chops, Roasts	1,887,478
Steaks, Chops (Chopped-Formed)	267,421
Meat Patties	483,252
Hamburger/Ground Beef	3,659,060
Other Fresh/Frozen	961,534
CONVENIENCE FOODS	
Pizza	772,843
Pies	209,612
Dinners	214,383
Entrees	425,535
Other	393,095

Meat Products Processed Under Federal Inspection, 1987 (Continued)

ITEM	1987 52 Weeks Ending Dec. 31, 1987 Thousand Pounds
SAUSAGE	
Fresh Beef	20,488
Fresh Pork	844,739
Fresh Other	65,956
Uncooked Cured	25,392
Total Fresh	956,575
Dried	354,795
Semi-Dried	94,058
Total Dried or Semi Dried	448,853
Franks and Wieners	
Regular-Retail	1,007,264
Regular-Bulk	279,805
With Extenders, Retail	57,678
With Extenders, Bulk	57,106
With Variety Meats, Retail	43,088
With Variety Meats, Bulk	3,428
With Extenders and Variety Meats, Retail	59,877
With Extenders and Variety Meats, Bulk	16,437
Total Franks and Wieners	1,524,683
Bologna	
Regular	489,250
With Extenders	25,110
With Variety Meats	59,177
With Extenders and Variety Meats	35,666
Total Bologna	609,203
Liver Sausage	93,478
Cured Meat Loaves	89,042
Other Cooked Items	926,933
Total Liver, Loaves & Other	1,109,453
Nonspecific Loaves	130,707
Other Formulated Products	297,252
Total Other Sausage	427,959
Total Sausage	5,076,726
SLICED PRODUCTS	
Bacon, Retail	876,821
Bacon, Bulk	543,749
Total Bacon	1,420,570
Ham	445,086
Sausage, Under 12 oz	230,945
Sausage, 12 oz or over	818,110
Other Products	462,370
Total Other Sliced	1,956,511
FATS & OILS	
Lard Rendered	766,293
Lard Refined	522,797
Edible Tallow	1,743,370
Compound-with Animal Fat	996,549

Source: U.S. Department of Agriculture

Meat Products Canned Under Federal Inspection, 1987

ITEM	1987 52 Weeks Ending Dec. 31, 1987 Thousand Pounds
Canned Hams	
Under 3 lbs	14,658
3 to 6 lbs	58,320
Over 6 lbs	32,309
Total	105,287
Luncheon Meat	149,364
Chili Con Carne	353,736
Meat Stew	169,297
Hash Products	99,566
Pasta Meat Products	482,040
Pork Picnics & Loins	4,011
Vienna Sausage	111,506
Franks & Wieners	1,952
Misc. Sausage Products	16,170
Deviled Ham	9,310
Potted Products & Spreads	32,139
Tamales	19,011
Sliced Dried Beef	2,101
Chopped Beef-Hamburger	10,836
Vinegar Pickled Products	8,817
By-Products, Not Pickled	2,439
Corned Beef	1,786
All Other, +20%, Meat	101,985
All Other, −20%, Meat	260,395
Total Canned Meats[1]	**1,941,748**

Source: U.S. Department of Agriculture

[1]*Figure excludes soup, but includes all government purchases*

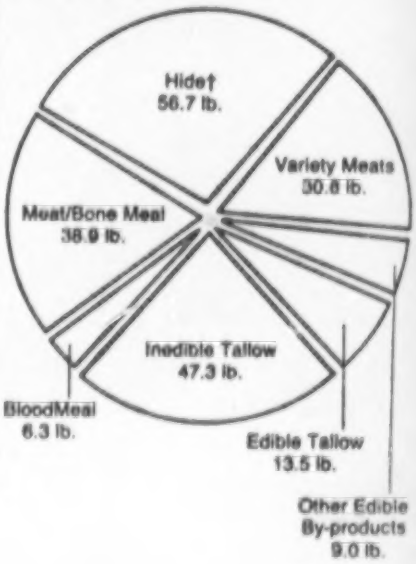
U.S. Production of Edible By-Products, Edible and Inedible Tallow, and Lard, 1970–87

	EDIBLE BY-PRODUCTS	EDIBLE TALLOW*	INEDIBLE TALLOW*	LARD
	Million Pounds			
1970	2,529	558	4,877	1,913
1971	2,627	542	4,968	1,960
1972	2,545	545	4,834	1,558
1973	2,376	475	5,237	1,254
1974	2,586	576	5,527	1,366
1975	2,510	514	4,655	1,012
1976	2,700	536	5,675	1,060
1977	2,688	769	6,106	1,037
1978	2,605	835	5,816	1,006
1979	2,533	904	5,836	1,155
1980	2,622	1,043	5,916	1,217
1981	2,627	1,130	5,868	1,167
1982	2,530	1,110	6,014	919
1983	2,643	1,260	6,128	978
1984	2,646	1,380	5,925	936
1985	2,655	1,611	5,827	929
1986	2,648	1,523	5,541	974
1987	2,604	1,258	5,602	862

Source: U.S. Departments of Agriculture and Commerce

**Includes tallow and greases recovered in further processing and rendering as well as in packing plants*

Cattle By-Products*



Source: Derived from U.S. Department of Agriculture data.

*Based on 1,050 lb. steer

†Brine cured, trimmed and fleshed

Cattlehides: Slaughter, Prices and Exports, 1970–87

	COMMERCIAL CATTLE SLAUGHTER	BUTT BRANDED STEER HIDE PRICE AT CHICAGO	EXPORTS	VALUE OF EXPORTS
	Ths. Head	Cents Per Pound	Ths. Whole Hides†	Mil. Dollars
1970	35,025	11.0	14,668	$ 129.6
1971	35,585	11.9	15,514	132.7
1972	35,779	27.2	17,089	265.1
1973	33,687	28.6	16,659	339.3
1974	36,812	19.5	18,094	296.9
1975	40,911	20.9	21,042	259.6
1976	42,654	30.9	24,885	471.1
1977	41,856	33.5	24,163	525.5
1978	39,552	45.6	24,545	642.4
1979	33,678	66.8	22,833	905.8
1980	33,806	41.9	19,030	632.8
1981	34,953	42.0	19,509	613.6
1982	35,843	39.6	22,822	694.3
1983	36,649	46.9	21,281	728.4
1984	37,582	55.8	25,029	1,066.6
1985	36,289	51.0	24,956	991.9
1986	37,290	60.4	26,336	1,195.5
1987	35,647	78.4	23,953	1,306.2

Source: U.S. Departments of Agriculture and Commerce and Tanners Council of America, U.S. Leather Industry Statistics

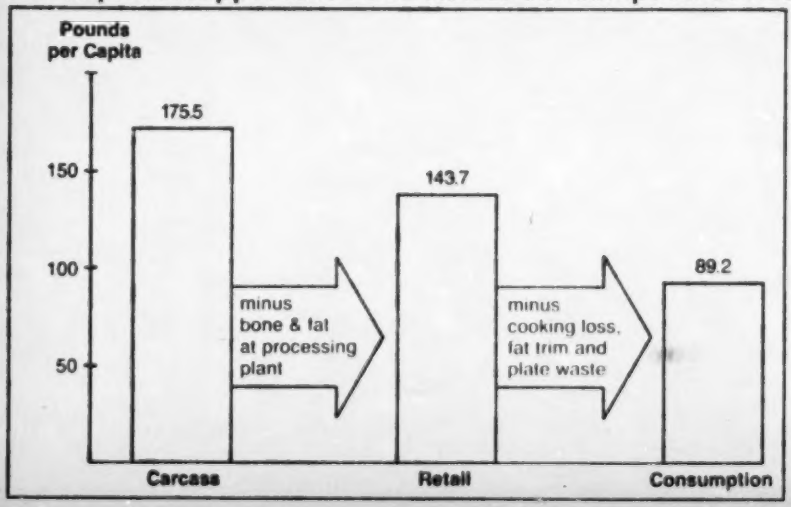
†*Whole hides represent over 90% of total exports on an equivalent hide basis*

Per Capita Disappearance of Red Meat, Carcass & Retail Weight Basis, 1960–87

	BEEF		VEAL		PORK		LAMB & MUTTON		TOTAL RED MEAT	
	Carcass	Retail	Carcass	Retail	Carcass	Retail	Carcass	Retail	Carcass	Retail
1960	85.1	64.2	6.1	5.2	77.6	60.3	4.8	4.3	173.6	134.0
1961	87.8	65.8	5.6	4.7	74.2	57.7	5.1	4.5	172.7	132.7
1962	88.9	66.2	5.5	4.6	75.6	59.1	5.2	4.6	175.2	134.5
1963	94.4	69.9	4.9	4.1	76.3	61.0	4.9	4.4	180.5	139.4
1964	99.9	73.9	5.2	4.3	76.2	61.0	4.2	3.7	185.5	142.9
1965	99.5	73.6	5.2	4.3	67.2	54.7	3.7	3.3	175.6	135.9
1966	104.1	77.0	4.6	3.8	65.7	54.4	4.0	3.6	178.3	138.8
1967	106.5	78.8	3.8	3.2	72.0	60.0	3.9	3.5	186.1	145.5
1968	109.7	81.2	3.6	3.0	73.5	61.4	3.7	3.3	190.5	148.9
1969	110.8	82.0	3.3	2.7	71.4	60.5	3.5	3.1	189.0	148.3
1970	113.5	84.0	2.9	2.4	72.6	62.3	3.2	2.9	192.2	151.6
1971	112.7	83.4	2.7	2.2	78.7	68.3	3.2	2.8	197.2	156.7
1972	115.5	85.4	2.2	1.9	70.9	62.9	3.3	2.9	191.9	153.1
1973	108.8	80.5	1.8	1.5	63.4	57.3	2.6	2.4	176.7	141.7
1974	115.7	85.6	2.3	1.9	68.5	61.8	2.3	2.0	188.8	151.3
1975	118.8	87.9	4.1	3.4	55.4	50.7	2.0	1.8	180.3	143.7
1976	127.5	94.4	4.0	3.3	58.6	53.7	1.8	1.6	191.9	153.0
1977	124.0	91.8	3.8	3.2	60.5	55.8	1.7	1.5	190.0	152.3
1978	117.9	87.2	2.9	2.4	60.3	55.9	1.6	1.4	182.6	146.9
1979	105.5	78.0	2.0	1.7	68.8	63.8	1.5	1.3	177.8	144.8
1980	103.4	76.5	1.8	1.5	73.5	68.3	1.5	1.4	180.2	147.7
1981	104.2	77.1	1.9	1.6	69.9	65.0	1.6	1.4	177.6	145.1
1982	104.3	77.2	2.0	1.6	62.6	59.0	1.6	1.5	170.5	139.3
1983	106.2	78.6	2.0	1.6	66.1	62.2	1.7	1.5	175.9	143.9
1984	106.0	78.5	2.1	1.8	65.6	61.8	1.7	1.5	175.5	143.7
1985	106.9	79.1	2.2	1.8	66.0	62.0	1.6	1.4	176.8	144.4
1986	107.4	78.4	2.3	1.9	62.1	58.6	1.6	1.4	173.3	140.2
1987	103.3	73.4	1.8	1.5	62.5	59.2	1.5	1.3	169.1	135.4

Source: U.S. Department of Agriculture

Per Capita Disappearance and Actual Consumption of Red Meat



Source: "Contribution of Red Meat to the U.S. Diet," National Live Stock and Meat Board
Note: Figures are for 1984

Per Capita Disappearance of Poultry, Retail Weight Basis, 1960–87

YEAR	BROILERS	OTHER CHICKEN	TOTAL CHICKEN	TURKEY	TOTAL POULTRY
			Pounds		
1960	23.4	4.4	27.8	6.2	34.0
1961	25.9	4.0	29.9	7.4	37.3
1962	25.8	4.1	29.9	7.0	36.8
1963	27.1	3.7	30.8	6.8	37.6
1964	27.7	3.5	31.2	7.3	38.5
1965	29.6	3.7	33.3	7.4	40.7
1966	32.0	3.6	35.6	7.8	43.4
1967	32.4	4.1	36.4	8.5	44.9
1968	32.8	3.9	36.7	7.9	44.6
1969	34.8	3.6	38.4	8.3	46.7
1970	36.8	3.6	40.4	8.0	48.4
1971	36.5	3.8	40.3	8.3	48.6
1972	38.2	3.6	41.8	8.9	50.7
1973	37.2	3.3	40.5	8.5	49.0
1974	37.2	3.5	40.7	8.8	49.5
1975	36.7	3.4	40.1	8.5	48.6
1976	39.9	2.8	42.7	9.1	51.8
1977	41.1	3.0	44.1	9.1	53.2
1978	43.8	2.9	46.7	9.2	55.9
1979	47.7	2.9	50.6	9.9	60.5
1980	47.0	3.1	50.1	10.5	60.6
1981	48.6	3.1	51.7	10.8	62.5
1982	50.0	3.1	53.1	10.8	63.9
1983	50.8	3.0	53.8	11.3	65.1
1984	53.0	2.7	55.7	11.4	67.1
1985	55.5	2.5	58.0	12.1	70.1
1986	56.3	2.7	59.1	13.4	72.5
1987	60.1	2.4	62.5	15.2	77.7

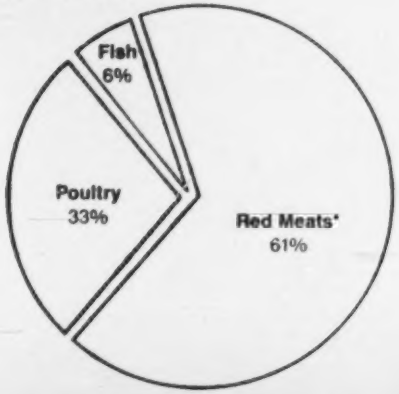
Source: U.S. Department of Agriculture

Per Capita Disappearance of Red Meat, Poultry & Fish, Retail Weight Basis, 1960–87

	TOTAL RED MEAT	VARIETY MEATS	POULTRY	FISH	TOTAL RED MEAT, POULTRY AND FISH
			Pounds		
1960	134.0	10.9	34.0	10.3	189.2
1961	132.7	10.7	37.3	10.7	191.4
1962	134.5	10.7	36.8	10.6	192.6
1963	139.4	10.1	37.6	10.7	197.8
1964	142.9	11.1	38.5	10.5	203.0
1965	135.9	10.4	40.7	10.8	197.8
1966	138.8	10.6	43.4	10.9	203.7
1967	145.5	11.1	44.9	10.6	212.1
1968	148.9	11.2	44.6	11.0	215.7
1969	148.3	11.0	46.7	11.2	217.2
1970	151.6	11.2	48.4	11.8	223.0
1971	156.7	11.3	48.5	11.5	228.0
1972	153.1	10.8	50.7	12.5	227.1
1973	141.7	9.8	48.9	12.8	213.2
1974	151.3	10.7	49.5	12.1	223.6
1975	143.7	10.2	48.6	12.2	214.6
1976	153.0	10.6	51.8	12.9	228.3
1977	152.3	10.4	53.2	12.7	228.6
1978	146.9	9.8	55.9	13.4	226.0
1979	144.8	9.6	60.5	13.0	227.9
1980	147.7	9.5	60.6	12.8	230.6
1981	145.1	9.4	62.4	12.9	229.8
1982	139.3	8.6	63.9	12.3	224.1
1983	143.9	9.1	65.1	13.1	231.2
1984	143.7	9.3	67.1	13.7	233.8
1985	144.4	8.8	70.1	14.4	237.8
1986	140.2	8.7	72.5	14.7	236.1
1987	135.4	8.6	77.7	15.4	237.1

Source: U.S. Department of Agriculture

Meat Consumption Shares



1987

*Includes variety meats

Per Capita Consumption of Red Meat, Poultry & Fish, Boneless Equivalent, 1966–87

YEAR	BEEF	VEAL	PORK	LAMB	CHICKEN	TURKEY	FISH	TOTAL RED MEAT,* POULTRY AND FISH
1966	73.7	3.2	44.3	2.6	24.6	6.3	10.9	165.6
1967	75.3	2.8	48.4	2.5	25.2	6.8	10.6	171.7
1968	77.3	2.6	49.4	2.4	25.4	6.4	11.0	174.5
1969	77.8	2.3	47.9	2.3	26.5	6.6	11.2	174.5
1970	79.6	2.0	48.6	2.1	27.8	6.4	11.8	178.4
1971	79.0	1.9	52.6	2.1	27.8	6.6	11.5	181.5
1972	80.7	1.6	47.4	2.2	28.8	7.1	12.5	180.1
1973	75.9	1.2	42.4	1.7	27.9	6.7	12.8	168.7
1974	80.6	1.6	45.7	1.5	28.1	7.0	12.1	176.5
1975	83.0	2.8	37.1	1.3	27.6	6.7	12.2	170.7
1976	88.9	2.7	39.2	1.2	29.4	7.2	12.9	181.5
1977	86.2	2.6	40.5	1.1	30.4	7.2	12.7	180.7
1978	82.3	2.0	40.4	1.0	32.1	7.2	13.4	178.4
1979	73.5	1.4	45.8	1.0	34.8	7.8	13.0	177.3
1980	72.1	1.3	49.1	1.0	34.5	8.3	12.8	178.9
1981	72.7	1.3	46.8	1.0	35.5	8.5	12.9	178.8
1982	72.4	1.4	41.9	1.1	36.5	8.5	12.3	174.0
1983	73.8	1.4	44.0	1.1	37.0	8.9	13.1	179.2
1984	73.6	1.5	43.7	1.1	38.2	9.0	13.7	180.8
1985	74.3	1.5	44.1	1.1	39.8	9.5	14.4	184.7
1986	74.1	1.6	41.6	1.0	40.6	10.5	14.7	184.1
1987	69.2	1.3	41.9	1.0	43.4	11.9	15.4	184.0

Source: U.S. Department of Agriculture

**Excludes variety meats*

Beef and Pork—Nutritional Profiles[1]

BEEF

		%	Contribution to Total Recommended Dietary Intake (50% / 100%)
• Calories	189	10	
• Total Fat	8.7 g	14	
(Saturated, 3.4; Monounsaturated, 3.8; Polyunsaturated, .3)			
• Cholesterol	76 mg	24	
• Sodium	55 mg	2	
* Protein	26 g	56	
* Iron	2.7 mg	14	
* Zinc	6.0 mg	39	
* Thiamin	.08 mg	6	
* Niacin	3.6 mg	17	
* B-12	2.3 mcg	39	

PORK

		%	Contribution to Total Recommended Dietary Intake (50% / 100%)
• Calories	198	10	
• Total Fat	11.1 g	17	
(Saturated, 3.8; Monounsaturated, 5.0; Polyunsaturated, 1.3)			
• Cholesterol	79 mg	26	
• Sodium	59 mg	2	
* Protein	23 g	51	
* Iron	1.1 mg	6	
* Zinc	3.0 mg	20	
* Thiamin	.59 mg	39	
* Niacin	4.3 mg	22	
* B-12	.7 mcg	12	

Source: Derived from data in U.S. Department of Agriculture Handbook 8-13

[1]*Based on composite average for 3 oz. serving, cooked separable lean retail cuts, all grades*

• *Based on standards of comparison*

2,000 calories per day is the midpoint of the recommendation by the National Academy of Sciences for women aged 23-51. NAS also recommends a maximum of 3,300 mg sodium per day. Health organizations recommend that fat contribute not more than 30% of total daily calories and that cholesterol be limited to 300 mg per day.

**Based on U.S. Recommended Dietary Allowances*

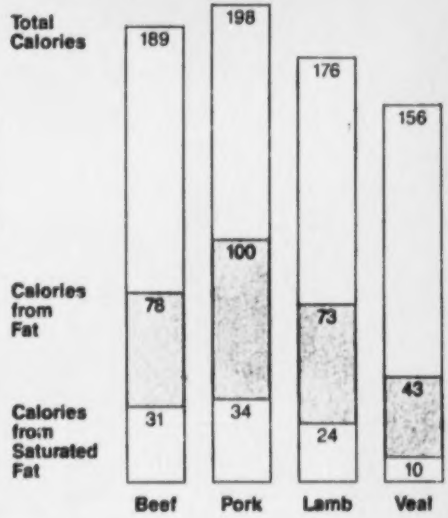
Red Meats and Fat

Fat and Calories from Average Daily Meat Consumption

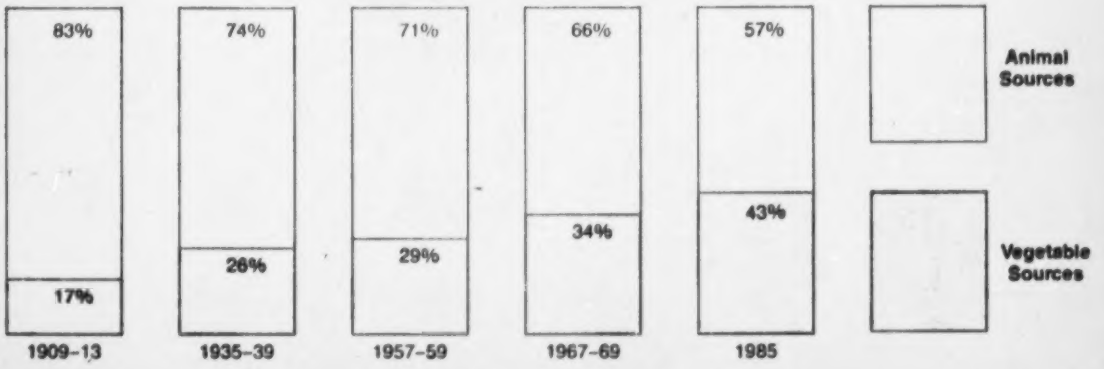
Health organizations recommend that fat contribute no more than 30% of total calories

Fat in average daily red meat consumption (4 oz.) provides 10.7% of total calories.

Total Calories per 3 oz. Serving, Cooked and Trimmed

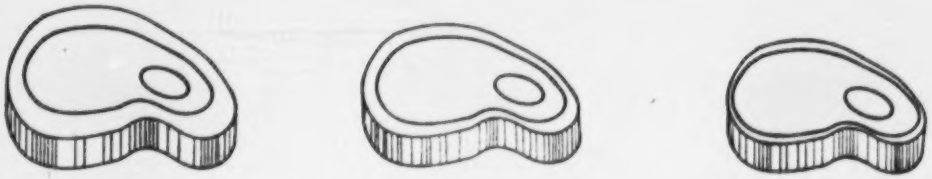


Changing Sources of Dietary Fat



Source: AMI compilation of data from U.S.D.A. and R. Marston and S. Welsh, "Nutrient Content of the U.S. Food Supply, 1981," National Food Review, NFR-21, 1983

EXTERNAL FAT TRIM ON BEEF HAS CHANGED



pre-1986
½"

1986
¼"

1988
⅛"

Average Fat Thickness on Retail Beef Cuts

	PRIMAL CUT ORIGIN OF RETAIL CUT				
REGION	ROUND	LOIN	RIB	CHUCK	AVERAGE
Northeast & East	.12	.18	10	08	12
Southeast	.13	15	14	12	.14
North Central	.12	18	13	12	14
South Central	.07	15	12	06	10
Mountain	.17	27	04	16	16
West	.12	26	20	13	18
Average	**.12**	**.19**	**.12**	**.11**	**.14***

Source: Texas A&M University "National Beef Market Basket Study," 1988

**Excludes stew meat, brisket, shanks, flank steak, stir fry, ground beef, etc.*

Retail Beef Cuts*: Percentage of Bone-In vs. Boneless

REGION	BONE-IN	BONELESS
Northeast & East	32%	68%
Southeast	22	78
North Central	39	61
South Central	10	90
Mountain	44	56
West	21	79
Average	**28**	**72**
PRIMAL ORIGIN		
Chuck	35	65
Round	5	95
Loin	49	51
Rib	54	46

Source: Texas A&M University "National Beef Market Basket Study", 1988

**Excluding ground beef*

Retail Ground Beef Distribution by Type*

REGION	REGULAR	LEAN	EXTRA LEAN
Northeast & East	41%	37%	22%
Southeast	35	52	13
North Central	21	38	41
South Central	42	35	23
Mountain	68	23	9
West	37	37	26
Average	**41**	**37**	**22**

Source: Texas A&M University "National Beef Market Basket Study", 1988

**Distribution by total weight in meat case*

Per Capita Income and Red Meat Expenditures, 1969–87

	Disposable Personal Income	Red Meat[1] Expenditures	Expenditures as Percent of: Disposable Personal Income	Expenditures as Percent of: Total Food Expenditures
1969	$ 3,808	$133.69	3.51%	25.08%
1970	4,051	136.00	3.36	23.74
1971	4,296	143.81	3.35	24.64
1972	4,665	156.71	3.36	25.30
1973	5,182	189.26	3.65	27.65
1974	5,648	190.69	3.38	24.34
1975	6,073	209.29	3.45	24.42
1976	6,651	210.00	3.16	22.88
1977	7,294	216.22	2.96	21.92
1978	8,136	254.55	3.13	23.55
1979	9,033	296.57	3.28	24.66
1980	9,919	287.93	2.90	22.05
1981	10,949	292.08	2.67	20.90
1982	11,480	299.18	2.61	20.31
1983	12,098	301.78	2.49	19.54
1984	13,114	298.68	2.28	18.25
1985	13,908	294.45	2.12	17.28
1986	14,636	295.78	2.02	16.50
1987	15,340	298.30	1.94	15.98

Source: Derived from data provided by U.S. Departments of Agriculture and Commerce

[1]Beef, veal, pork and mutton. Expenditures for veal, lamb and mutton from 1981 onwards estimated by AMI

Meat Expenditures by Consumer Characteristics, 1986

	AVERAGE WEEKLY AT-HOME EXPENDITURES PER CONSUMER UNIT					
	BEEF	PORK	OTHER MEATS	POULTRY	FISH	ALL FOODS
By Income						
$ 5,000–$ 9,999	$2.46	$1.94	$1.06	$1.43	$ .85	$37.95
$10,000–$14,999	2.89	1.93	1.36	1.45	.82	45.50
$15,000–$19,999	3.10	1.89	1.48	1.54	.94	52.28
$20,000–$29,999	4.22	2.67	1.70	1.62	1.31	66.05
$30,000–$39,999	4.44	2.75	2.06	1.80	1.39	74.89
$40,000 and over	5.41	2.96	1.93	2.35	1.94	97.87
By Number of Earners						
Single Consumers						
No Earner	1.35	1.01	.70	.85	.61	25.91
One Earner	1.24	.70	.58	.65	.53	34.45
Two or More Consumers						
No Earner	3.42	2.43	1.56	1.89	1.11	49.44
One Earner	4.10	2.59	1.74	1.86	1.57	62.49
Two Earners	4.53	2.65	1.81	1.92	1.28	73.11
Three or More	6.62	3.97	2.61	2.65	2.32	98.37
By Size of Consumer Unit						
One Person	1.28	.81	.62	.72	.58	31.40
Two Persons	3.51	2.18	1.42	1.56	1.25	58.72
Three Persons	4.56	2.77	1.82	1.93	1.40	69.74
Four Persons	5.29	3.05	2.20	2.36	1.71	80.96
Five Persons	6.36	4.12	2.87	2.66	2.03	88.86
Six or more	7.17	4.44	2.64	3.24	1.98	101.75
By Composition of Consumer Unit						
Husband and Wife, All	4.92	2.94	1.97	2.07	1.58	76.07
Oldest Child Aged:						
Under 6	4.04	2.53	1.69	1.89	1.30	70.84
6–7	5.59	3.44	2.36	2.28	1.63	86.94
18 or Over	7.10	3.36	2.59	2.74	2.26	95.01
One Parent With Children Aged Under 18	3.24	2.18	1.40	2.00	1.03	47.53
Others	1.87	1.21	.89	.96	.74	38.10
By Region						
Northeast	4.01	2.26	1.78	2.16	1.61	65.75
Midwest	3.46	2.25	1.64	1.33	.84	57.17
South	3.36	2.22	1.36	1.51	1.16	54.45
West	3.90	2.17	1.35	1.67	1.40	64.61
By Race						
White and Other	3.65	2.11	1.51	1.56	1.20	61.32
Black	3.48	3.21	1.58	2.25	1.42	45.29
By Housing Tenure						
Homeowner	4.25	2.60	1.75	1.83	1.39	68.35
Renter	2.63	1.63	1.14	1.33	.95	45.50

Source: U.S. Department of Labor, Bureau of Labor Statistics, 1986 Consumer Expenditure Survey

Grocery Stores: Percentage of Meat Sales by Type

	BEEF	PORK	VEAL	LAMB	POULTRY	FISH & SEAFOOD	PROCESSED & FROZEN	OTHER
					Percent			
Retail Sales (Mil. $)								
Under $10	41.9%	20.2%	1.6%	1.7%	21.0%	4.0%	6.2%	3.5%
$ 10–$30	39.3	19.7	1.7	1.8	19.4	4.7	10.5	3.1
$ 31–$100	39.5	19.5	1.3	1.5	19.2	5.1	8.8	5.1
$101–$250	40.3	16.2	1.9	2.3	21.4	4.4	10.8	2.9
$251–$500	39.7	13.9	1.4	1.6	18.0	4.2	19.5	2.2
$501 +	36.9	15.0	1.4	1.6	19.1	4.3	17.4	4.8
Retail Affiliation								
Chain	37.3	15.1	1.4	1.7	19.1	4.4	17.1	4.5
Independent	41.1	19.1	1.8	1.9	19.2	4.6	8.7	3.7
Headquarters Region								
Northeast	39.6	13.1	2.1	2.9	20.6	5.1	7.9	8.7
Middle Atlantic	40.8	16.8	2.4	1.8	22.5	3.4	10.5	2.1
East North Central	36.4	16.0	1.2	1.2	15.3	6.4	21.7	2.5
West North Central	39.5	16.2	1.2	1.1	15.5	2.7	11.1	12.5
Southeast	38.2	12.2	1.5	2.1	15.8	3.8	20.7	5.9
West South Central	38.6	16.0	1.1	1.3	19.8	3.0	18.4	2.0
Mountain	43.8	12.9	1.1	1.4	14.7	3.5	20.2	2.8
Pacific	35.3	18.5	1.1	1.2	25.2	4.2	11.3	4.2
Average	**37.6**	**15.3**	**1.4**	**1.7**	**19.2**	**4.3**	**16.6**	**4.4**

Source: Food Marketing Institute, The Food Marketing Industry Speaks, 1986

May not add due to rounding.

Grocery Stores: Typical Number of Fresh Meat Items Carried and Share of Meat Department Sales Devoted to Service vs. Self-Service

	FRESH MEAT ITEMS CARRIED	SERVICE	SELF-SERVICE
	Median	Percent	
Retail Sales (Mil. $)			
Under $10	100	19.8%	80.2%
$ 10–$30	120	8.1	91.9
$ 31–$100	125	11.1	88.9
$101–$250	150	22.1	77.9
$251–$500	250	4.6	95.4
$501 +	152	10.5	89.5
Retail Affiliation			
Chain	154	10.6	89.4
Independent	125	13.1	86.9
Headquarters Region			
Northeast	147	2.1	97.9
Middle Atlantic	200	13.5	86.5
East North Central	103	12.9	87.1
West North Central	111	36.5	63.5
Southeast	180	5.1	94.9
West South Central	200	4.4	95.6
Mountain	101	12.6	87.4
Pacific	150	11.3	88.7
Average	**150**	**10.8**	**89.2**

Source: ***Food Marketing Institute,*** **The Food Marketing Industry Speaks, 1986**

Consumer Expenditures for Meat, Poultry and Fish in Grocery Stores, 1986 & 1976

ITEM	1986 ($ Mil)	% OF FOOD & BEVERAGES	% OF TOTAL	1976 ($ Mil)	% OF FOOD & BEVERAGES	% OF TOTAL	% CHANGE 1976–1986
Fresh Meat	**$26,626**	**12.6%**	**9.5%**	**$15,427**	**14.3%**	**11.2%**	**+72.6%**
Beef	21,367	10.1	7.6	11,437	10.6	8.3	+86.8
Veal	570	.3	.2	737	.7	.5	-22.7
Lamb	1,041	.5	.4	585	.5	.4	+77.9
Pork	3,648	1.7	1.3	2,667	2.5	1.9	+36.8
Processed Meats	**13,494**	**6.4**	**4.8**	**10,455**	**9.7**	**7.6**	**+29.1**
Cured Hams & Picnics	2,095	1.0	.8	1,865	1.7	1.4	+12.3
Packaged Bacon	2,219	1.1	.8	1,919	1.8	1.4	+15.6
Frankfurters	1,589	.8	.6	1,117	1.0	.8	+42.3
Sausages	1,130	.5	.4	702	.7	.5	+61.0
Other Sausage Products	2,995	1.4	1.1	1,809	1.7	1.3	+65.6
Cold Cuts	3,466	1.6	1.2	3,042	2.8	2.2	+13.9
Frozen Meat	**208**	**.1**	**.1**	**178**	**.2**	**.1**	**+16.9**
Canned Meat	**1,377**	**.7**	**.5**	**1,427**	**1.3**	**1.0**	**-3.5**
Total Above	**41,705**	**19.7**	**14.9**	**27,487**	**25.5**	**19.9**	**+51.7**
Poultry	**9,527**	**4.5**	**3.4**	**4,332**	**4.0**	**3.1**	**+119.9**
Fresh	7,432	3.5	2.7	3,227	3.0	2.3	+130.3
Frozen	1,980	.9	.7	1,043	1.0	.8	+89.8
Canned	115	.1	*	62	.1	*	+85.5
Fish & Seafood	**5,671**	**2.7**	**2.0**	**2,406**	**2.2**	**1.7**	**+135.7**
Fresh	3,124	1.5	1.1	1,038	1.0	.8	+201.0
Frozen	672	.3	.2	356	.3	.3	+88.8
Canned	1,875	.9	.7	1,012	.9	.7	+85.3
Total Meat, Poultry & Seafood	**56,903**	**26.9**	**20.4**	**34,225**	**31.8**	**24.8**	**+66.3**
Total Grocery Store Sales	**279,578**	**—**	**100.0**	**138,176**	**—**	**100.0**	**+102.3**
Food & Beverages	211,578	100.0	75.7	107,702	100.0	78.0	+96.4
Non-Foods & General Merchandise	68,000		24.3	30,474	—	22.0	+123.1

Source: Compiled from Supermarket Business magazine

Does not include meats sold through service delis or in prepared forms (i.e., frozen dinners, entrees, etc.)

**Less than 0.05%*

U.S. Average Retail Meat Prices

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
					Dollars Per Pound					
Beef (Choice Grade)	**$1.02**	**$1.55**	**$2.38**	**$2.39**	**$2.43**	**$2.38**	**$2.40**	**$2.33**	**$2.31**	**$2.42**
Sirloin Steak	1.35	1.99	2.95	2.99	3.06	3.06	3.08	2.96	2.96	3.13
Round Steak	1.30	1.89	2.77	2.86	2.95	2.90	2.91	2.77	2.77	2.89
Round Roast	1.29	1.84	2.61	2.63	2.64	2.55	2.58	2.47	2.44	2.53
Rib Roast	1.12	1.80	2.95	3.03	3.22	3.24	3.35	3.28	3.26	3.54
Chuck Roast	.73	1.03	1.82	1.82	1.79	1.74	1.68	1.57	1.50	1.66
Ground Chuck	.66	.88	1.83	1.80	1.78	1.73	1.72	1.68	1.64	1.71
Beef Liver	.68	.87	1.17	1.13	1.02	.97	.98	.96	.97	1.03
Fresh Pork	**.77**	**1.35**	**1.40**	**1.52**	**1.75**	**1.70**	**1.62**	**1.62**	**1.78**	**1.88**
Pork Chops	1.16	1.86	1.95	2.13	2.39	2.37	2.38	2.34	2.59	2.82
Sliced Bacon	.95	1.76	1.46	1.67	2.05	1.94	1.86	1.94	2.08	2.14
Smoked Picnic	.57	.90	.99	1.04	1.15	1.05	1.01	1.02	1.06	1.12
Canned Ham	1.21	1.94	2.32	2.46	2.65	2.67	2.56	2.56	2.68	2.80
Fresh Pork Sausage	.79	1.43	1.41	1.61	1.88	1.87	1.71	1.74	1.91	1.99
Frankfurters	.83	1.19	1.72	1.77	1.82	1.81	1.80	1.81	1.93	1.99
Bologna	.56	.80	2.01	2.11	2.21	2.18	2.13	2.11	2.17	2.19
Poultry										
Whole Broilers	.41	.63	.72	.74	.72	.73	.81	.76	.84	.78
Frozen Hen Turkeys	.56	.73	.89	.98	.93	.92	.99	1.05	1.07	1.01

Source: U.S. Department of Labor, Bureau of Labor Statistics

Consumer and Producer Price Indices, 1980–87

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
				(1967=100)				
CONSUMER PRICE INDICES								
All Items	246.8	272.4	289.1	298.4	311.1	322.2	328.4	340.4
All Foods	254.6	274.6	285.7	291.7	302.9	309.8	319.7	333.0
Food at Home	251.5	269.9	279.2	282.2	292.6	296.8	305.3	318.5
Food Away	267.0	291.0	306.5	319.9	333.4	346.6	360.1	374.4
All Meats	248.8	257.8	270.3	267.2	268.1	265.5	273.9	294.4
Beef and Veal	270.3	272.6	276.5	272.3	275.6	269.7	271.4	292.1
Pork	209.1	228.6	258.1	256.8	252.5	253.1	273.8	296.1
Other Meats	248.6	259.2	267.0	266.0	267.1	268.8	275.7	293.1
PRODUCER PRICE INDICES								
Total Finished Goods	247.0	269.8	280.5	285.2	291.1	293.7	289.6	295.8
All Commodities	268.8	293.4	299.3	303.1	310.3	308.7	299.8	307.8
All Meats	235.9	249.0	250.6	236.4	236.8	227.9	235.2	250.9
Beef and Veal	260.2	246.8	245.9	236.3	237.1	221.3	216.0	233.7
Pork	196.7	218.1	251.1	227.5	226.5	223.8	250.9	262.7
Other Meats	229.8	250.6	266.1	250.9	251.3	250.1	259.1	275.7

Source: U.S. Department of Labor

Livestock and Wholesale Meat Prices, 1980–87

LIVESTOCK PRICES

Dollars Per Hundred Pounds, Live

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
Choice Steers, 900–1100 lbs. at Omaha	$66.96	$63.84	$64.22	$62.52	$65.34	$58.37	$57.76	$64.55
Choice Heifers, 900–1100 lbs. at Omaha	64.90	62.05	62.79	61.42	64.59	58.25	57.33	64.34
Cows, Canner & Cutter, at Omaha	42.58	39.61	36.50	36.35	35.88	35.88	34.33	40.96
Feeder Steers, 600–700 lbs. at Kansas City	75.23	66.24	64.82	63.70	65.29	64.56	62.79	75.29
Barrows & Gilts at 7 Markets	39.48	44.05	55.07	47.33	48.98	44.50	51.36	51.71
Sows at 7 Markets	36.01	40.27	49.59	40.68	43.29	39.41	45.54	43.89
Slaughter Lambs at San Angelo	66.64	59.04	56.44	56.47	61.56	66.95	70.00	77.34

Source: U.S. Department of Agriculture

WHOLESALE MEAT PRICES AT MIDWEST

Dollars Per Hundred Pounds, Carlot Basis

ITEM	1980	1981	1982	1983	1984	1985	1986	1987
Choice Steer Beef Carcass, 600–700 lbs.	$104.44	$ 99.84	$101.31	$ 97.83	$100.09	$ 90.76	$ 88.98	$ 97.24
Choice Heifer Beef Carcass, 550–600 lbs.*	101.86	97.48	98.54	94.45	96.62	88.48	87.72	96.21
Cow Beef, Canner and Cutter	92.45	84.06	78.96	78.48	74.70	74.13	71.31	83.61
Domestic Boneless Beef, Fresh								
90% Chemical Lean	125.94	117.52	111.10	108.99	101.13	100.84	98.25	112.19
85% Chemical Lean	121.87	108.57	105.10	101.79	94.44	94.22	90.92	103.78
50% Chemical Lean	58.75	53.85	59.04	48.87	53.56	41.71	43.63	50.66
Lamb Carcass, Choice and Prime, Spring and shorn, 55 lbs. & down	134.93	126.89	137.89	138.78	134.74	144.24	144.77	158.00
Fresh Pork Loins, 14–17 lbs.	83.66	95.39	109.71	97.29	96.36	91.51	104.81	106.12
Pork Bellies, 12–14 lbs.	43.78	52.29	76.54	61.72	60.19	59.50	65.81	63.00
Hams, Skinned, 17–20 lbs.	69.77	75.69	90.22	73.99	75.41	67.27	78.30	79.52

Source: U.S. Department of Agriculture and National Provisioner Daily Market & News Service

[1]Figures are for the East Coast

**500–600 lbs. prior to 1986*

Employment and Earnings for Meat Packing and Meat Processing Industries Compared with All Food and All Manufacturing

ITEM	UNIT	1965	1975	1980	1985	1986	1987
MEAT PACKING							
Total Employees	Thousand	193.3	168.2	160.6	141.7	143.0	137.6
Production Workers	Thousand	149.1	135.7	131.3	117.7	119.8	115.0
Avg. Weekly Earnings	Dollars	$126.18	$234.74	$351.49	$332.91	$337.84	$349.03
Avg. Weekly Hours	Hours	42.4	41.4	40.9	41.1	41.0	41.7
Avg. Hourly Earnings	Dollars	$2.99	$5.67	$8.49	$8.10	$8.24	$8.37
MEAT PROCESSING							
Total Employees	Thousand	52.0	67.2	70.1	74.2	75.2	76.1
Production Workers	Thousand	37.2	47.3	51.5	54.4	55.3	56
Avg. Weekly Earnings	Dollars	$114.54	$217.62	$317.56	$353.10	$350.47	$357.69
Avg. Weekly Hours	Hours	41.2	40.6	39.4	40.4	40.1	40.6
Avg. Hourly Earnings	Dollars	$2.78	$5.36	$8.06	$8.74	$8.74	$8.81
ALL FOOD							
Total Employees	Thousand	1,756.7	1,657.5	1,708.0	1,607.9	1,641.1	1,636.1
Production Workers	Thousand	1,159.1	1,120.3	1,174.6	1,121.9	1,153.3	1,152.6
Avg. Weekly Earnings	Dollars	$99.87	$185.78	$271.95	$342.80	$349.60	$358.58
Avg. Weekly Hours	Hours	41.1	40.3	39.7	40.0	40.0	40.2
Avg. Hourly Earnings	Dollars	$2.43	$4.61	$6.85	$8.57	$8.74	$8.92
ALL MANUFACTURING							
Total Employees	Thousand	18,062.0	18,323.0	20,285.0	19,260.0	18,994.0	19,112
Production Workers	Thousand	13,434.0	13,043.0	14,214.0	13,130.0	13,023.0	13,021.0
Avg. Weekly Earnings	Dollars	$107.53	$190.79	$288.62	$386.37	$396.01	$406.31
Avg. Weekly Hours	Hours	41.2	39.5	39.7	40.5	40.7	41.0
Avg. Hourly Earnings	Dollars	$2.61	$4.83	$7.27	$9.54	$9.73	$9.91

Source: U.S. Department of Labor

Meat Industry Sales Breakdown by Company Type, 1986

ITEM	PACKERS[1]	PACKER/ PROCESSORS[2]	PROCESSORS[3]
Total Sales	**100.00%**	**100.00%**	**100.00%**
Livestock and/or Meat	82.01	60.69	64.40
Supplies & Containers	2.92	7.42	6.67
Production Labor	4.22	5.89	5.33
Cost of Goods Sold	**89.15**	**74.00**	**76.40**
Gross Margin	**10.85**	**26.00**	**23.60**
Other Wages and Salaries	1.87	5.27	5.00
Employee Benefits:			
Retirement Expense	.19	.03	.38
Payroll Taxes	.52	.95	.75
Insurance & Hospitalization	.71	1.47	.94
Vacation, Holiday & Sick Leave	.33	.55	.47
All Other Benefits	.22	.12	.25
Total Benefits	1.96	3.12	2.78
Interest	.32	.34	.47
Depreciation	.65	1.48	1.37
Rents	.44	.42	.56
General & Administrative Insurance	.18	.13	.42
Taxes*	.10	.27	.22
All Other Expenses	4.17	10.32	9.23
Total Expenses	**98.84**	**95.35**	**96.45**
Earnings Before Taxes	1.16	4.65	3.55
Income Taxes	.61	2.15	1.12
Net Earnings	**.55**	**2.50**	**2.43**

Source: *American Meat Institute*, 1986 Financial Operating Survey of the Meat Industry

[1,2]Defined as companies participating in the AMI survey that
[1]slaughter livestock and have sales primarily of fresh meat
[2]slaughter livestock and have sales of processed meats equivalent to two thirds or more of total sales
[3]do not slaughter livestock and are primarily involved in the manufacture and sale of processed meats

**Other than Social Security and Income Taxes*

Totals may not add due to rounding

Product Share of Industry Sales and Profits, by Company Type, 1986

ITEM	PACKERS[1]	PACKER/ PROCESSORS[2]	PROCESSORS[3]
		Source of Sales	
Fresh Meat & By-Products	76.52%	24.55%	10.06%
Processed Meats	21.82	74.26	83.94
Non-Meat Products	1.66	1.20	6.01
Total Sales	100.00	100.00	100.00
		Source of Profits	
Fresh Meat & By-Products	67.63%	9.92%	5.99%
Processed Meats	23.93	88.16	91.00
Non-Meat Products	8.44	1.93	3.01
Total Profits	100.00	100.00	100.00

***Source: American Meat Institute*, 1986 Financial Operating Survey of the Meat Industry**

[1,2,3]Defined as companies participating in the AMI survey that:
[1]slaughter livestock and have sales primarily of fresh meat;
[2]slaughter livestock and have sales of processed meats equivalent to two-thirds or more of total sales;
[3]do not slaughter livestock and are primarily involved in the manufacture and sale of processed meats.

Totals may not add due to rounding

Breakdown of Packers' and Packer/Processors' 1986 Sales Dollar by Species Slaughtered

ITEM	CATTLE PACKERS OR PACKER/PROCESSORS[1]	HOG PACKERS OR PACKER/PROCESSORS[1]
Total Sales	**100.00%**	**100.00%**
Livestock and/or Meat	87.30	69.89
Supplies & Containers	1.58	5.62
Production Labor	3.37	5.45
Cost of Goods Sold	**92.26**	**80.96**
Gross Margin	**7.74**	**19.04**
Other Wages and Salaries	.76	3.94
Employee Benefits:		
Retirement Expense	.10	.18
Payroll Taxes	.33	.82
Insurance & Hospitalization	.37	1.25
Vacation, Holiday & Sick Leave	.19	.52
All Other Benefits	.33	.12
Total Benefits	1.32	2.88
Interest	.22	.39
Depreciation	.61	1.02
Rents	.40	.47
General & Administrative Insurance	.11	.19
Taxes*	.08	.18
All Other Expenses	2.81	7.53
Total Operating Expenses	**98.57**	**97.56**
Earnings Before Taxes	1.43	2.44
Income Taxes	.63	1.24
Net Earnings	**.80**	**1.20**

Source: *American Meat Institute*, 1986 Financial Operating Survey of the Meat Industry

[1]Refers to participants in AMI survey whose slaughter of identified species represented at least 75% of their total live weight slaughter

**Other than Social Security and Income Taxes*

Totals may not add due to rounding

Breakdown of Hog Packers' and Packer/Processors' 1986 Sales Dollar by Percent of Fresh Meat Sales

ITEM	FRESH MEAT SALES AS % OF TOTAL SALES Greater than 67%	34–66%	Less than 33%
Total Sales	100.00%	100.00%	100.00%
Livestock and/or Meat	81.32	75.42	60.24
Supplies & Containers	4.05	4.35	7.53
Production Labor	5.55	5.01	5.95
Cost of Goods Sold	90.92	84.78	73.72
Gross Margin	9.08	15.22	26.28
Other Wages and Salaries	1.69	3.29	5.32
Employee Benefits:			
Retirement Expense	.02	.35	.03
Payroll Taxes	.62	.73	.96
Insurance & Hospitalization	.52	1.21	1.49
Vacation, Holiday & Sick Leave	.45	.50	.56
All Other Benefits	.18	.10	.13
Total Benefits	1.80	2.90	3.16
Interest	.71	.35	.34
Depreciation	.83	.65	1.50
Rents	.15	.59	.42
General & Administrative Insurance	.56	.16	.13
Taxes*	.10	.12	.27
All Other Expenses	3.14	6.11	10.41
Total Expenses	99.90	98.96	95.28
Earnings Before Taxes	.10	1.04	4.72
Income Taxes	.02	.73	2.18
Net Earnings	.08	.31	2.54

Source: American Meat Institute, 1986 Financial Operating Survey of the Meat Industry

**Other than Social Security and Income Taxes*

Totals may not add due to rounding

Meat Animals, Meat and Meat Products: Value of United States Imports and Exports, 1985–87

COMMODITY	IMPORTS			EXPORTS		
	1985	1986	1987	1985	1986	1987
	Million Dollars					
LIVE ANIMALS						
Cattle and Calves	$306.5	$441.3	$421.4	$92.3	$110.9	$105.2
Hogs	127.8	60.2	49.5	7.9	9.2	6.2
Sheep and Lambs	1.8	1.9	2.5	15.9	5.6	2.4
MEAT						
Beef and Veal	1,276.5	1,288.5	1,562.2	467.2	634.3	771.2
Pork	861.2	1,000.7	1,096.3	76.0	83.9	128.9
Lamb, Mutton & Goat	32.9	30.3	31.7	5.8	5.7	10.2
Processed Meats[1]	7.0	8.3	13.0	8.0	9.3	13.3
Tallow, Greases and Lard	2.9	2.0	2.3	601.8	399.8	418.4
Variety Meats and Edible Offal	26.4	25.8	32.4	346.3	394.9	441.0
Casings	56.8	58.6	69.2	14.4	19.3	24.3
Hides and Skins	64.1	57.7	67.5	1,050.5	1,264.3	1,378.8
Wool	130.5	160.6	205.3	1.6	1.4	2.1
TOTAL	**2,894.4**	**3,135.9**	**3,553.3**	**2,687.7**	**2,938.6**	**3,302.0**

Source: U.S. Department of Agriculture

[1]Imports include mixed sausage and other meats. Exports include sausage, canned meats and other meats

U.S. Imports, Exports, and Net Imports of Beef and Veal, Pork, Lamb and Mutton, and Total Meat in Relation to Domestic Production, 1978–87

	PRODUCTION	IMPORTS	EXPORTS & SHIPMENTS	NET IMPORTS	PERCENTAGE OF U.S. PRODUCTION		
					IMPORTS	EXPORTS	NET IMPORTS
	Million Pounds[1]				Percent		
			BEEF AND VEAL				
1978	24,874	2,321	221	2,100	9.3	.9	8.4
1979	21,880	2,431	222	2,209	11.1	1.0	10.1
1980	22,044	2,085	223	1,862	9.5	1.0	8.4
1981	22,825	1,761	258	1,503	7.7	1.1	6.6
1982	22,984	1,958	310	1,648	8.5	1.3	7.2
1983	23,695	1,950	317	1,633	8.2	1.3	6.9
1984	24,091	1,847	383	1,464	7.7	1.6	6.1
1985	24,242	2,268	384	1,884	9.4	1.6	7.8
1986	24,895	2,156	579	1,577	8.7	2.3	6.3
1987	23,995	2,293	664	1,629	9.6	2.8	6.8
			PORK				
1978	13,393	495	421	74	3.7	3.1	.6
1979	15,450	499	448	51	3.2	2.9	.3
1980	16,615	550	417	133	3.3	2.5	.8
1981	15,875	541	452	89	3.4	2.8	.6
1982	14,229	612	365	247	4.3	2.6	1.7
1983	15,202	702	361	341	4.6	2.4	2.2
1984	14,812	954	311	643	6.4	2.1	4.3
1985	14,805	1,128	259	869	7.6	1.7	5.9
1986	14,063	1,122	218	904	8.0	1.6	6.4
1987	14,374	1,195	233	962	8.3	1.6	6.7
			LAMB AND MUTTON				
1978	309	39	4	35	12.6	1.3	11.3
1979	275	44	3	41	16.0	1.1	15.0
1980	318	33	4	29	10.4	1.3	9.1
1981	338	31	5	26	9.2	1.5	7.7
1982	365	19	4	15	5.2	1.1	4.1
1983	376	19	4	15	5.1	1.1	4.0
1984	380	20	5	15	5.3	1.3	3.9
1985	357	36	3	33	10.0	.8	9.2
1986	338	41	4	37	12.1	1.2	11.0
1987	315	44	3	41	14.0	1.0	13.0
			TOTAL MEAT				
1978	38,576	2,856	646	2,210	7.4	1.7	5.7
1979	37,623	2,974	673	2,301	7.9	1.8	6.1
1980	38,977	2,664	642	2,022	6.8	1.6	5.2
1981	39,038	2,333	715	1,618	6.0	1.8	4.1
1982	37,578	2,589	679	1,910	6.9	1.8	5.1
1983	39,272	2,670	682	1,988	6.8	1.7	5.1
1984	39,283	2,821	699	2,122	7.2	1.8	5.4
1985	39,404	3,432	646	2,786	8.7	1.6	7.1
1986	39,296	3,319	801	2,518	8.5	2.0	6.4
1987	38,684	3,532	900	2,632	9.1	2.3	6.8

Source: U.S. Department of Agriculture

[1]*Carcass weight equivalent*

U.S. Imports of Selected Red Meat Products by Major Markets, 1985–87

Product and Country	QUANTITY (Million Pounds) 1985	1986	1987	VALUE (Million Dollars) 1985	1986	1987
Boneless Beef	**1,212.5**	**1,309.1**	**1,394.5**	**$996.7**	**$1,038.9**	**$1,254.1**
Australia	580.0	690.2	729.8	467.9	538.2	652.1
New Zealand	369.8	362.4	441.4	306.3	282.8	389.7
Canada	122.1	105.4	89.7	98.9	79.9	78.2
Costa Rica	53.2	76.9	60.1	50.6	71.9	64.6
Canned Corned Beef	**98.1**	**72.2**	**81.4**	**85.6**	**66.0**	**99.2**
Argentina	40.9	31.9	41.5	34.4	29.5	49.8
Brazil	55.4	35.7	38.0	49.4	33.8	46.7
Uruguay	.7	3.5	1.4	.7	3.4	1.7
Fresh or Frozen Pork	**561.2**	**580.9**	**664.9**	**392.9**	**485.3**	**587.4**
Canada	403.9	457.9	511.7	278.0	364.5	428.0
Denmark	139.2	103.1	126.7	101.4	102.6	127.5
Canned Hams & Shoulders	**337.9**	**311.4**	**299.9**	**432.3**	**460.1**	**457.6**
Denmark	176.3	158.3	130.1	236.2	249.3	219.3
Poland	70.7	78.3	81.5	90.4	111.9	119.5
Hungary	30.6	24.7	25.8	35.4	33.2	34.7
Yugoslavia	20.6	18.5	22.9	20.5	22.6	29.9

Source: U.S. Department of Commerce

U.S. Exports of Selected Red Meat and Livestock Products by Major Markets, 1985–87

Product and Country	Quantity (Million Pounds)			Value (Million Dollars)		
	1985	1986	1987	1985	1986	1987
Fresh or Frozen Beef and Veal	**220.3**	**383.3**	**441.3**	**$426.9**	**$593.4**	**$728.5**
Japan	179.2	243.9	276.0	344.6	467.6	543.8
Canada	14.8	13.4	26.2	24.7	24.4	50.2
European Community	1.4	3.4	17.3	3.0	7.0	30.6
Brazil	0	100.4	66.0	0	40.4	19.4
Fresh or Frozen Pork	**75.8**	**46.2**	**64.3**	**61.7**	**71.4**	**114.8**
Japan	20.2	26.6	43.0	32.7	52.9	90.5
Canada	5.5	4.9	4.6	6.2	6.5	7.1
Mexico	21.4	.7	4.4	8.0	.6	3.9
Sweden	.5	.5	1.2	.5	1.1	3.8
European Community	17.2	3.7	2.4	6.9	2.1	1.8
Variety Meats	**527.9**	**531.4**	**490.2**	**291.7**	**326.4**	**336.2**
Beef	**418.2**	**446.1**	**403.1**	**248.6**	**289.7**	**305.5**
Japan	80.3	106.6	119.5	76.1	119.9	140.4
European Community	145.5	158.1	141.7	75.4	93.3	100.9
Canada	20.0	12.4	19.7	18.8	13.0	20.5
Mexico	83.3	66.8	50.5	35.5	21.7	15.8
Egypt	63.8	51.8	42.7	24.6	17.1	11.4
Pork	**102.2**	**75.1**	**78.1**	**38.8**	**31.1**	**25.5**
European Community	42.6	30.7	20.4	13.9	12.1	9.1
Mexico	35.8	21.2	34.8	10.8	5.9	8.8
Inedible Tallow and White Grease	**2,719.2**	**2,515.4**	**2,370.6**	**546.9**	**354.0**	**363.5**
Mexico	232.4	208.6	318.3	48.1	32.9	52.0
Egypt	456.0	314.8	299.1	97.4	41.8	45.5
European Community	522.6	500.8	337.7	92.2	65.3	44.9
South Korea	174.7	146.3	168.7	33.7	17.5	24.2
Pakistan	199.2	152.9	132.2	39.9	20.8	20.2
Colombia	118.2	114.3	135.8	23.2	15.9	20.2
U.S.S.R.	176.6	110.2	121.0	38.1	15.5	18.8
Turkey	65.7	66.3	105.8	14.2	10.5	16.8
Cattle Hides (Whole)	—	—	—	**991.9**	**1,195.5**	**1,306.2**
South Korea	—	—	—	267.4	450.0	577.5
Japan	—	—	—	276.1	304.7	332.6
Taiwan	—	—	—	112.2	156.5	172.3
Mexico	—	—	—	91.5	42.0	65.8
European Community	—	—	—	84.0	112.0	52.4
Canada	—	—	—	25.3	25.7	36.0

Source: U.S. Department of Commerce

U.S. Canned Ham Imports by Country, 1977–87

	Denmark	Nether-lands	Czecho-slovakia	Hungary	Poland	Yugo-slavia	Romania	Other
				Million Pounds				
1977	87.7	32.9	1.6	12.9	71.2	34.4	8.0	3.0
1978	88.1	19.8	2.7	15.2	79.9	43.3	9.9	3.5
1979	71.5	7.6	3.2	15.6	90.0	32.4	13.2	2.4
1980	57.7	7.1	3.4	14.4	90.7	19.3	13.1	4.6
1981	70.7	13.7	3.5	14.0	55.9	21.8	11.6	6.6
1982	96.0	18.7	3.5	12.8	34.2	26.0	5.8	9.2
1983	122.8	18.3	1.4	20.3	58.5	21.7	7.1	9.1
1984	147.2	20.9	1.8	23.6	56.6	31.0	5.2	10.2
1985	176.3	19.5	2.6	30.6	70.7	20.6	3.4	14.2
1986	158.3	6.0	2.1	24.7	78.3	18.5	5.7	17.8
1987	130.1	6.9	2.2	25.8	81.5	22.9	10.9	19.6

Source: U.S. Department of Commerce

U.S. Ham Production and Imports, 1977–87

	FEDERALLY INSPECTED HAM PRODUCTION						CANNED HAM IMPORTS[2]
	Smoked, Dried, or Cured					Canned	
	Bone-In	Semi-Boneless	Boneless[1]	Dry Cured	Total		
	Million Pounds, Product Weight						
1977	496.3	140.1	814.8	67.5	1,518.7	275.7	251.6
1978	475.9	136.9	894.6	90.5	1,597.9	272.0	262.4
1979	542.8	163.6	1,038.5	93.5	1,838.4	287.8	236.0
1980	515.9	138.3	1,112.7	90.6	1,857.6	308.3	210.2
1981	492.0	177.3	1,165.3	81.5	1,856.0	246.8	197.8
1982	420.8	98.9	1,056.1	83.0	1,658.9	194.0	206.2
1983	473.3	101.1	1,168.1	91.3	1,833.8	190.3	259.2
1984	437.2	96.1	1,133.4	92.0	1,758.6	155.2	296.5
1985	419.2	93.6	1,116.8	87.6	1,717.1	120.7	337.9
1986	407.8	89.3	1,111.4	92.1	1,700.5	96.1	311.4
1987	413.2	71.5	1,146.3	104.0	1,735.0	105.3	299.9

Source: Derived from data provided by U.S. Departments of Agriculture and Commerce

[1] *1977-to-Date includes sectioned and formed*

[2] *Includes shoulders*

Totals may not add because of rounding

World Meat Trade in Selected Countries[1], 1987

	BEEF & VEAL		PORK		LAMB & MUTTON	
	Imports	Exports	Imports	Exports	Imports	Exports
	Thousand Metric Tons, Carcass Equivalent					
NORTH AMERICA						
Canada	165	91	12	235	N.A.	N.A.
Mexico	6	0	2	0	2	N.A.
United States	1,040	301	542	106	20	1
CENTRAL AMERICA						
Costa Rica	N.A.	33	N.A.	N.A.	N.A.	N.A.
Guatemala	N.A.	9	N.A.	N.A.	N.A.	N.A.
Honduras	N.A.	10	N.A.	N.A.	N.A.	N.A.
SOUTH AMERICA						
Argentina	N.A.	300	N.A.	N.A.	N.A.	8
Brazil	90	250	0	15	N.A.	N.A.
Uruguay	N.A.	110	N.A.	N.A.	N.A.	11
WESTERN EUROPE						
Belgium-Luxembourg	31	100	32	320	14	4
Denmark	24	180	N.A.	822	2	N.A.
France	305	505	420	95	90	4
West Germany	300	540	555	137	26	1
Greece	130	N.A.	60	N.A.	15	N.A.
Ireland	7	386	21	34	19	26
Italy	495	125	466	49	N.A.	N.A.
Netherlands	60	375	40	915	2	5
Portugal	16	N.A.	15	N.A.	1	0
Spain	20	2	70	1	10	5
United Kingdom	370	190	520	61	120	65
European Community*	445	1,028	98	302	192	6
Austria	1	60	4	0	N.A.	N.A.
Finland	N.A.	16	N.A.	8	N.A.	N.A.
Sweden	10	10	8	35	N.A.	N.A.
EASTERN EUROPE						
Czechoslovakia	10	50	5	30	N.A.	3
East Germany	N.A.	10	N.A.	230	N.A.	8
Hungary	3	40	N.A.	145	N.A.	3
Poland	2	40	20	85	0	N.A.
Romania	0	115	0	140	N.A.	45
Yugoslavia	30	40	15	50	N.A.	7
U.S.S.R.	342	7	250	6	42	1
ASIA						
China	N.A.	26	N.A.	247	N.A.	N.A.
Hong Kong	80	1	230	N.A.	N.A.	N.A.
Japan	300	N.A.	310	N.A.	155	N.A.
Taiwan	41	N.A.	N.A.	155	N.A.	N.A.
OCEANIA						
Australia	N.A.	780	N.A.	4	N.A.	240
New Zealand	N.A.	407	1	0	N.A.	538

Source: U.S. Department of Agriculture

[1]Preliminary data for countries other than U.S.

**Excludes intra-EC trade; figures for EC countries reflect third country trade as well as intra-EC trade*

Note: Figures are reported in thousands of metric tons. A metric ton is equivalent to 2,204.6 pounds

N.A.—Not Available

Per Capita Meat Disappearance in Selected Countries, 1987

REGION & COUNTRY	BEEF & VEAL	PORK	LAMB, MUTTON & GOAT	POULTRY
	Pounds Per Person[1]			
NORTH AMERICA				
Canada	90.6	60.8	N.A.	61.5
Mexico	31.1	24.0	2.0	13.9
United States	105.2	62.5	1.5	77.9
SOUTH AMERICA				
Argentina	163.6	N.A.	5.1	29.5
Brazil	30.9	15.0	N.A.	25.1
Colombia	47.0	8.8	N.A.	N.A.
Uruguay	130.5	N.A.	33.5	N.A.
Venezuela	37.0	17.4	N.A.	45.4
WESTERN EUROPE				
Belgium-Luxembourg	57.5	104.5	4.0	35.7
Denmark	38.6	141.8	1.3	27.1
France	68.1	75.4	10.1	41.2
West Germany	53.6	118.8	2.0	22.7
Greece	46.3	46.7	28.7	34.6
Ireland	47.0	67.5	15.0	36.8
Italy	60.6	62.4	3.3	36.8
Netherlands	38.6	99.2	.7	30.6
Portugal	24.3	46.1	6.0	35.9
Spain	24.5	68.1	7.7	44.8
United Kingdom	48.3	58.2	14.6	38.8
European Community Average	50.9	78.5	7.7	35.7
Austria	49.6	113.8	N.A.	27.1
Finland	46.3	72.5	N.A.	11.0
Sweden	36.8	66.8	N.A.	12.1
Switzerland	60.8	98.1	N.A.	22.7
MIDDLE EAST				
Israel	42.1	N.A.	N.A.	76.1
Saudi Arabia	13.4	N.A.	N.A.	77.8
AFRICA				
Egypt	24.3	N.A.	2.6	9.0
South Africa	43.7	N.A.	13.0	31.5
ASIA				
China	1.3	34.8	1.3	
Taiwan	5.1	84.9	N.A.	43.9
Japan	15.9	34.6	2.9	30.0
South Korea	10.1	18.3	.2	6.8
OCEANIA				
Australia	89.3	38.4	52.7	51.8
New Zealand	76.3	30.2	57.8	31.5

Source: U.S. Department of Agriculture

[1]Carcass weight basis.

N.A. Not Available

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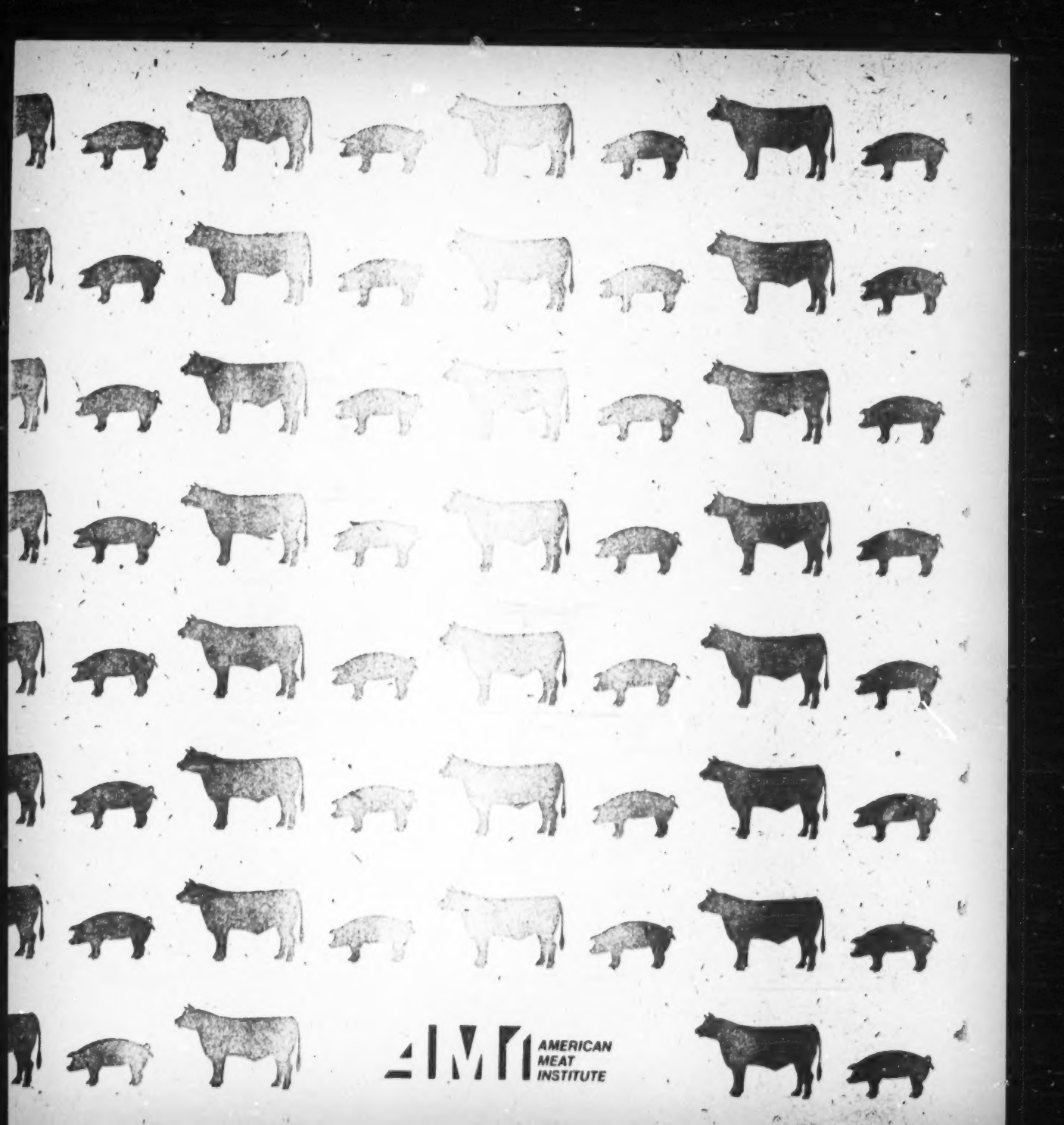
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